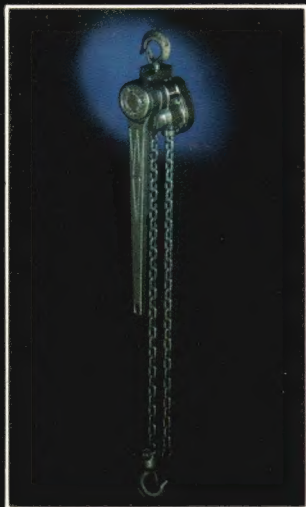


WRIGHT HOISTS



What type of hoist & crane equipment do you need?

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Electric Powered Hoists



These hoists should be considered when lifts must be more frequent, faster operating or longer. There are two types of electric powered hoists; electric chain and electric wire rope.

Electric wire rope hoists are suitable for use in applications ranging from general purpose to heavy duty. The wire rope hoist provides a wide range of flexibility and should be selected where heavier or longer lifts and repetitive operations are required. The hoist stores the wire rope on a grooved drum thereby eliminating the trailing chain common to electric chain hoists.

Standard headroom models with 1/4 to 2 ton capacities and close headroom models with 1/4 to 10 ton capacities are available.

Electric chain hoists are compact, lightweight, portable, and are for general purpose use. In machine shops, fabrication shops, service and maintenance works, and construction areas. Link chain is suitable for all hoisting applications. Available in single speed and two speed models with capacities from 1/4 to 5 tons.

WARNING:

Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist or crane equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.



Hand Operated Hoists

These are compact, economical units used when efficiency of manpower is not a major concern. Hand operated spur geared hoists are for general duty lifting applications.

The portable aluminum hand hoist is rugged lightweight and fully portable; it can be carried from job to job, 1/2 to 6 ton capacities.

The steel hand hoist offers high degree versatility in tight places and has heavier capacities to 60 tons.

Hand hoists with integral trolley suspensions are available. These Army type and low headroom trolley hoists may be specified where headroom of hoist is critical.



Hand Equipment

A. Lever Hoists

The lever operated Pull-a-way "C"® chain type puller weighs pounds but can move tons with a short stroke ideal for tight places.

B. Hook Suspension Hoists

The simple, rugged design of Wright® portable hand hoists, with either alloy aluminum or steel frames, provides dependability in industrial, construction, and maintenance applications.

C. Army Type and Low Headroom Trolley Hoists

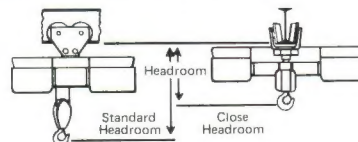
Designed for applications where a hand operated hoist with an integral trolley is advantageous, Wright trolley hoists come in aluminum, steel frame, and 600 type models.

The rigid, steel side plate trolley is adjustable for a wide range of beam flange widths. Short wheelbase combined with trolley wheel adjustment allows for operation on curved beams. The side plates extend beyond the flange of the wheels for added wheel protection serving as bumpers.

Geared trolleys are equipped with two plain and two geared wheels and are provided with cast hand chain wheel and hand chain guide and operating hand chain.

Have you answered these hoist questions?

Asking the following three basic questions will help you & your customer establish the foundation necessary to select the style hoist your customer requires to do his job.

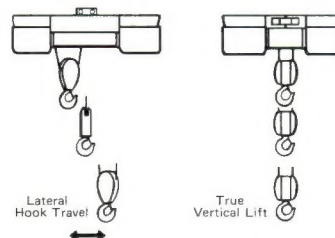


1. Is Headroom a Concern?

Some applications require that the distance from the beam to the saddle of the hook be held to a minimum. For hand or electric chain hoists, this dimension will determine whether a hook suspended hoist with a separate trolley or an integral trolley hoist is required. With electric wire rope hoists this dimension will determine whether a standard or close headroom hoist is required.

2. Is True Vertical Lift a Concern?

Some applications require that the load when being lifted not move right or left from hoist centerline; if this requirement is known, a true vertical lift hoist must be used. These are described as two part double (2 PD) and are available as cross mounted wire rope hoists. All chain hoists provide true vertical lift.



3. What Type of Suspension Does the Hoist Need?

Suspensions are selected as an integral part of the hoisting equipment.

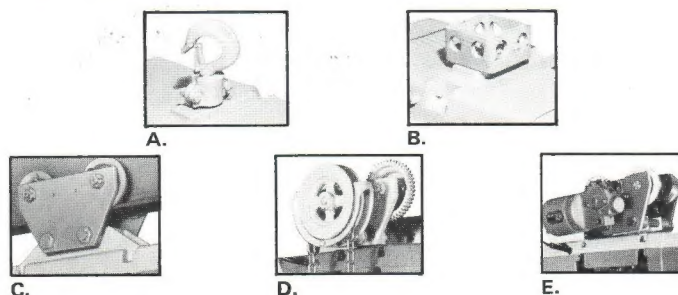
A. Hook suspension is available on hand and electric chain hoists only, giving the hoist portability. When a hook mounted hoist is ordered, a plain or geared trolley can be an indispensable partner to suspend the hoist from a beam or a bridge crane.

B. Lug suspension provides a means of securing the hoist for stationary use. Bolted type trolleys are available for lug mounting.

C. Plain trolleys are propelled by pushing or pulling the load and are not recommended for elevations over 20 ft. or loads over 3 tons.

D. Hand geared trolleys are propelled by racking or pulling a hand chain and provide for more precise spotting of loads.

E. Motorized trolleys are recommended for use where long or repetitive travel distances are involved. They also eliminate any necessity for an operator to be in close proximity to the load being lifted or conveyed by hoist.



Hand Equipment

Lever Hoists

Wright Pull-A-Way "C" Ratchet Type Chain Pullers



Lightweight, portable, chain type and lever operated, these pullers magnify manpower on jobs like stretching, tightening, installing, pulling, lifting, lowering, moving, skidding, and repairing in industrial, construction, and utility applications. The rugged, portable Pull-A-Way "C" requires minimal effort to move tons and only weighs a few pounds. The short handle and short stroke are designed for work in tight places.

Construction Features

Frame

The frame is rugged, lightweight, one piece aluminum alloy construction. All load bearing parts are strong, ductile, and shock-resistant to provide maximum strength and reliability.

Cover

The die cast aluminum alloy cover fully encloses and protects the mechanical load brake and operating mechanism. The cover does not support any bearings or loads.

Gear Train

1½ to 6 ton models have quiet, compact gear and pinion enclosed in a grease tight chamber. All geared teeth are machine cut from alloy steel and heat treated with shock resistant ductile cores. Gearing is designed to AGMA standards for maximum life. Gear and pinions are mounted on heavy duty bronze bushings and are permanently lubricated. Gears operate in a grease lubrication. The ¾ ton unit does not use gears.

Mechanical Load Brakes

The Weston type, screw actuated disc brake can hold a full capacity load stationary in any position. The load brake provides positive load control independent of lever. Load is not transferred back to handle during handle advancement.

Load Wheel

The hardened load wheel is alloy steel with precision formed pockets to fit links of load chain. One piece stripper plate provides a guard against the chain jamming during normal usage.

Load Chain

Close link coil type, electric welded alloy steel chain is heat-treated for wear resistance and ability to withstand impact. All links are precisely calibrated for uniform size and shape to permit proper seating in the load sheave pockets. The chain is "proof tested" and provided with an oil finish.

Load Block

The load block supports the load hook and permits the hook to rotate 360° under capacity loads. In three and six tons capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hooks

All hooks are drop forged, heat-treated steel with spring type latches. Hooks rotate for easy rigging or load attachment.

Free Wheeling Lever

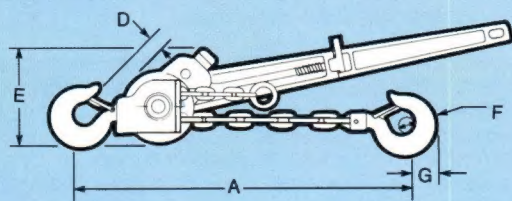
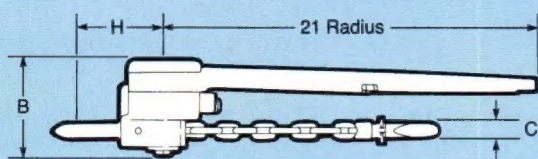
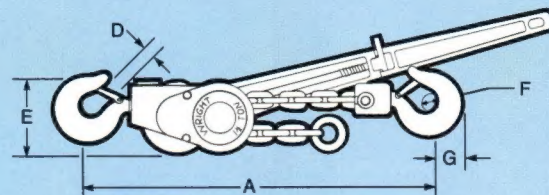
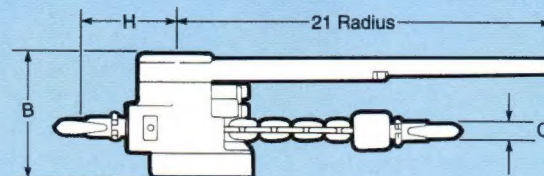
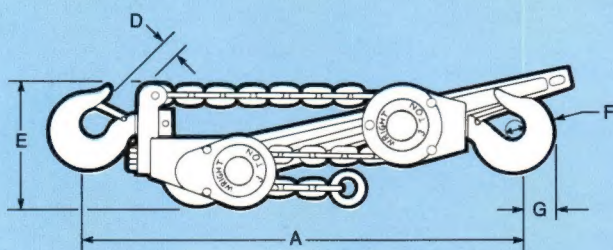
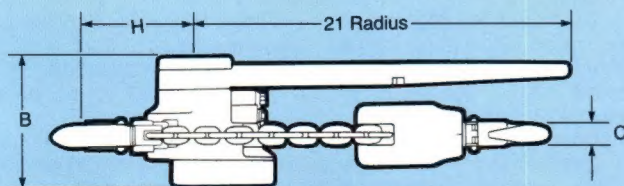
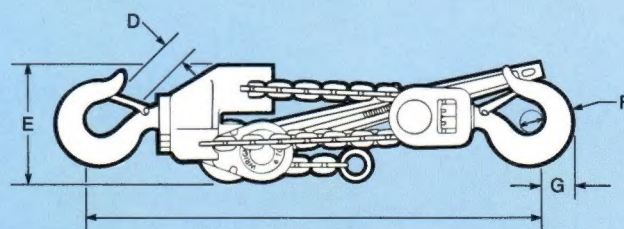
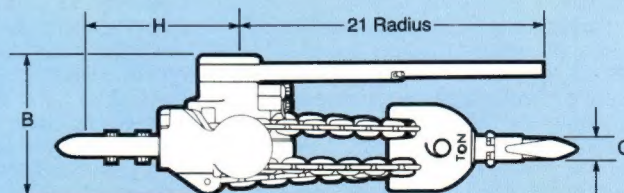
An easily accessible spring loaded, positive action lever provides free wheeling. Unintentional free wheeling is eliminated because the lever cannot be operated while puller is under load.

Reversible Direction Lever

An easily accessible reversible direction lever is located in the handle. A neutral position allows the handle to be relocated without advancing or releasing the load chain.

Specifications

Capacity (tons)	Product Number	Standard Lift (ft.)	Minimum Distance Between Hooks (in.)	Parts of Load Chain	Pull On Handle Move Full Load (lbs.)	Net Weight (lbs.)
¾	1100020	5	11¾	1	60	12½
1½	1100030	5	14¾	1	83	23½
3	1100040	5	20¾	2	84	36½
6	1100050	5	24	4	90	63

¾ Ton

1½ Ton

3 Ton

6 Ton

Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	G	H
¾	11¾	5⅞	27/32	1⅞	5⅞	1⅞	1⅞	5¾
1½	14¾	7⅞	27/32	1⅞	4¼	1⅞	1⅞	5¾
3	20¾	7⅞	1⅞	1⅞	7⅞	1⅞	1⅞	7⅞
6	24	9	1⅞	1⅞	7⅞	1⅞	1⅞	9¼

Hand Equipment

Hand Chain Hoists

Wright Aluminum Hand Hoists — Hook Suspension



The *Wright* portable line of lightweight hand hoists have a compact profile, long life, and are designed for ease of maintenance. The simple, rugged design provides dependability in industrial plants, construction sites, and maintenance operations. Weight has been minimized by use of high-strength aluminum alloy for the one piece frame and the use of impact resistant *Lexan* resin end covers over the gears and handwheel. The *Wright* portable hand hoist is ideal for close up rigging and high lifts in low ceiling areas. It delivers maximum efficiency thereby reducing operator fatigue.

Construction Features

Frame

The lightweight, rugged, one piece frame is a cast, ductile, shock resistant, aluminum alloy.

Covers

Easily removed *Lexan*[®] resin^{*} covers protect the gearing and brake, but do not support bearings.

Overload Limit Device

Installed at the factory for the capacity of the hoist, this limiting device provides added protection to load, hoist and operator.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy load shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Hooks

The hooks are drop forged, heat treated, ductile, alloy steel, and equipped with spring latches. The lower hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360° under capacity load. The top hook is free to rotate for easy attachment to support.

Handwheel and Chain

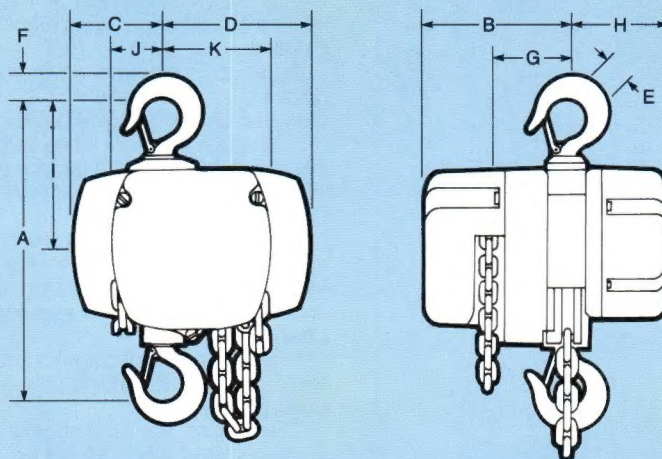
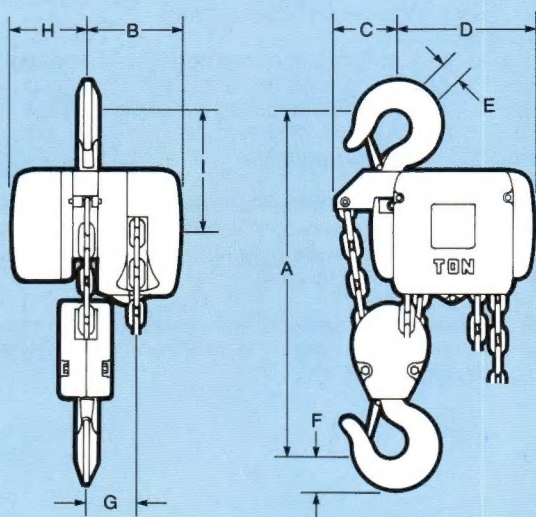
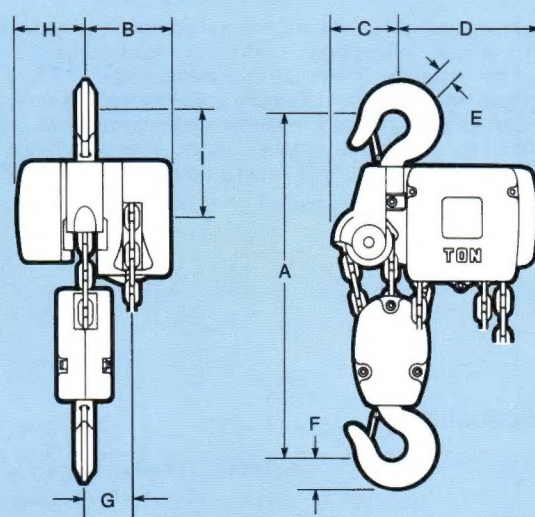
The pockets of the cast aluminum alloy handwheel precisely fit the zinc-plated, welded coil chain. The resilient *Lexan* cover protects the wheel and provides non-fouling chain guides.

Specifications

Capacity (tons)	Standard Lift (ft.) ^a	Product Number	Chain Pull to Lift Full Loads (lbs.)	Parts of Load Chain	Chain Overhaul to Lift Load One Foot (ft.)	Net Weight (lbs.)
1/2	8	1310010	26	1	46	34½
1	8	1310020	53	1	46	36
2	8	1310040	91	1	53	58
3	8	1310050	71	2	106	95
4	8	1310060	94	2	106	95
5	8	1310070	81	3	159	125
6	8	1310080	97	3	159	125

^a Level of hand chain drop is 24 inches above lower hook limit.

^{*}Trademark of General Electric Company

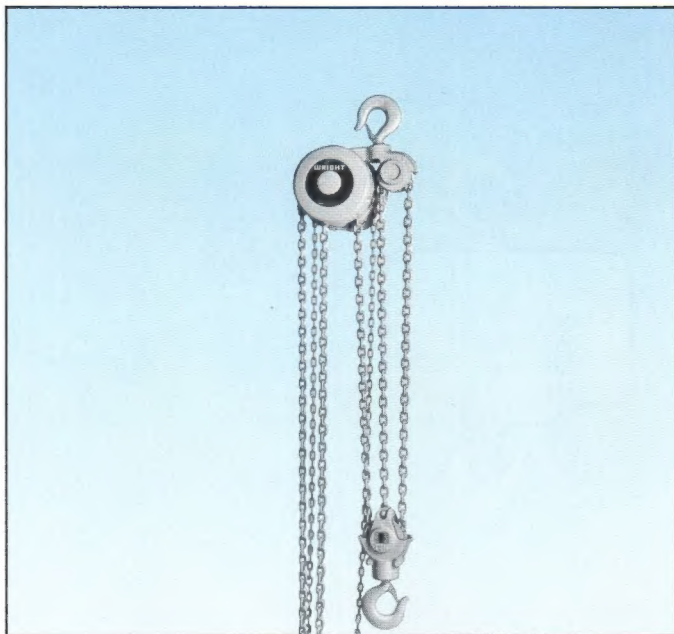
1/2, 1, 2 Ton

3, 4 Ton

5, 6 Ton

Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	G	H	I	J	K
1/2	14 1/4	5 3/4	3 3/4	6 1/4	1 1/8	1 1/8	3	4 1/8	7 1/8	2 1/8	4 3/8
1	14 1/4	5 3/4	3 3/4	6 1/4	1 1/8	1 1/8	3	4 1/8	7 1/8	2 1/8	4 3/8
2	17 3/4	6 1/8	4	7	1 11/32	1 7/16	3 1/2	4 7/8	8 1/2	2 5/8	5 5/8
3	23 3/8	6 1/8	3 7/8	9 5/8	1 11/16	1 13/16	3 1/2	4 7/8	8 1/2	—	—
4	23 3/8	6 1/8	3 7/8	9 5/8	1 11/16	1 13/16	3 1/2	4 7/8	8 1/2	—	—
5	25 1/4	6 1/8	4 1/4	10 3/4	1 11/16	1 13/16	3 1/2	4 7/8	8 1/2	—	—
6	25 1/4	6 1/8	4 1/4	10 3/4	1 11/16	1 13/16	3 1/2	4 7/8	8 1/2	—	—

Hand Equipment

Hand Chain Hoists

Wright Steel Hand Hoists — Hook Suspension



A Wright lightweight steel hand hoist is compact, of high strength and ruggedly built. All purpose, heavy duty, steel construction, it is designed for dependable service in powerhouses, industry, warehousing, machine shops and foundry applications. It is easy to use in tight places and delivers maximum efficiency while reducing worker fatigue. It provides outstanding service with minimum of maintenance time. Simplicity of design means long, trouble free life.

Construction Features

Frame

The loadbearing parts of the steel frame are ductile and shock resistant for strength and reliability.

Covers

Easily removed steel covers protect the gearing and brake, but do not support bearings.

Optional Overload Limit Device

This clutch prevents lifting loads that could permanently damage the hoist. Preset at the factory for the hoist capacity, the device is installed between the handwheel and the load brake.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy load shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Load Block

The load block supports the load hook on a heavy duty antifriction bearing, permitting hook to swivel 360° under capacity loads. In larger capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hooks

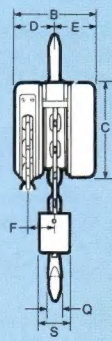
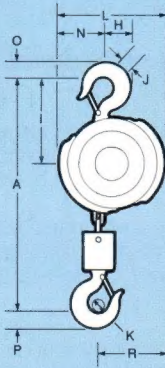
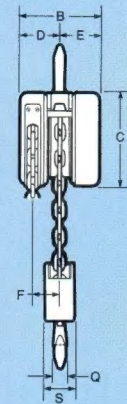
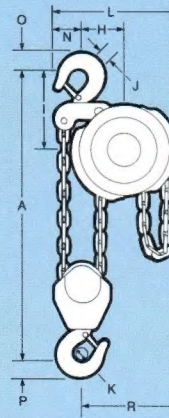
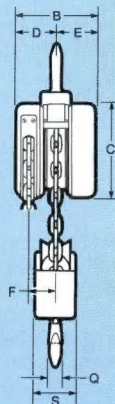
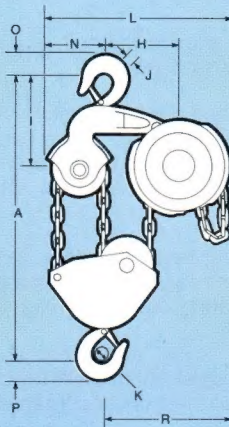
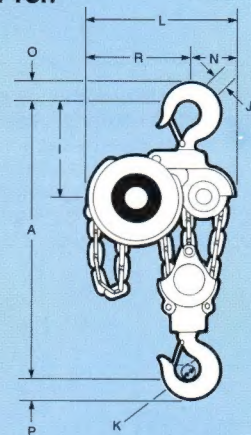
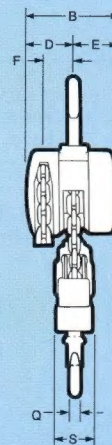
The hooks are drop forged, heat-treated, ductile, alloy steel, and equipped with spring latches. The lower hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360° under capacity load.

Handwheel and Chain

The pockets of the pressed steel handwheel precisely fit the zinc-plated, welded coil chain. The steel cover comes with replaceable non-fouling guides.

Specifications

Capacity (tons)	Product Number	Standard Lift (ft.)	Chain Pull to Lift Full Load (lbs.)	Feet of Chain Overhauled to Lift Load One Foot (ft.)	Parts of Load Chain	Net Weight (lbs.)
1/2	1330010	8	35	33	1	44
1	1330020	8	70	33	1	46
1 1/2	1330030	8	64	58	1	85
2	1330040	8	83	58	1	85
3	1330050	8	66	116	2	122
4	1330060	8	86	116	2	130
5	1330070	8	71	174	3	184
6	1330080	8	88	174	3	184
8	1300090	8	52	387	3	249
10	1300100	8	71	381	3	265
12	1300110	8	85	381	3	265

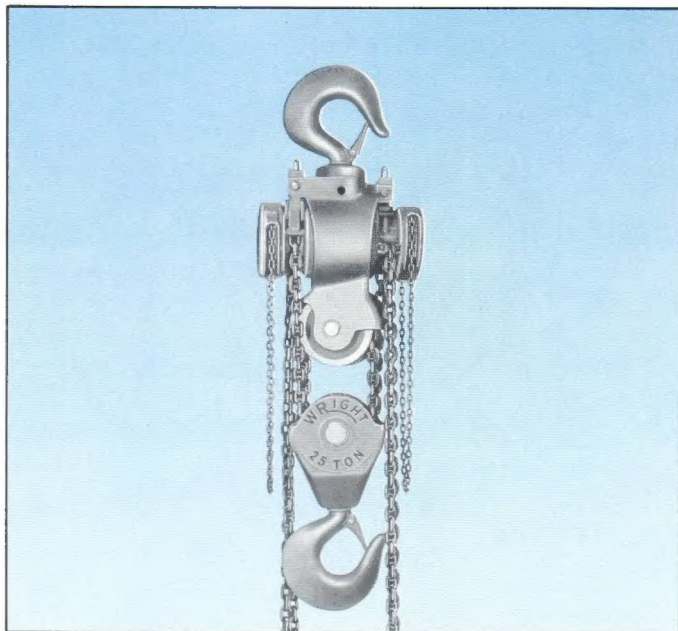
1/2–2 Ton

3–4 Ton

5–6 Ton

8–12 Ton

Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	H	I	J	K	L	N	O	P	Q	R	S
1/2	12 1/8	8 1/2	8 1/2	4 1/4	4 1/4	3	1 3/8	6 7/16	1	27/32	8 1/2	2 7/8	1	1	3/4	5 5/8	1 3/4
1	12 1/4	8 1/2	8 1/2	4 1/4	4 1/4	3	1 3/8	6 7/16	1	27/32	8 1/2	2 7/8	1	1	3/4	5 5/8	1 3/4
1 1/2	15 5/8	10	11	5	5	3 1/4	1 3/4	7 5/8	1 1/8	1 1/16	11	3 3/4	1 1/8	1 1/8	27/32	7 1/4	2 1/2
2	15 5/8	10	11	5	5	3 1/4	1 3/4	7 5/8	1 1/8	1 1/16	11	3 3/4	1 1/8	1 1/8	27/32	7 1/4	2 1/2
3	23 1/2	10	11	5	5	3 1/4	4 7/8	9 1/8	1 11/32	1 1/8	14 1/4	4 3/32	1 7/16	1 7/16	1 1/8	10 3/8	3 1/2
4	24 1/2	10	11	5	5	3 1/4	4 7/8	9 5/8	1 11/32	1 25/32	14 1/4	4 3/32	1 13/16	1 13/16	1 3/8	10 3/8	3 1/2
5	25 1/2	10	11	5	5	3 1/4	6 3/8	11 1/2	1 11/16	1 25/32	17 1/4	5 1/4	1 13/16	1 13/16	1 3/8	11 7/8	4 1/4
6	25 1/2	10	11	5	5	3 1/4	6 3/8	11 1/2	1 11/16	1 25/32	17 1/4	5 1/4	1 13/16	1 13/16	1 3/8	11 7/8	4 1/4
8	32 3/4	11 3/8	—	5 5/8	6	3 3/8	—	12 1/2	2 1/4	2 1/8	18	5 1/2	2 5/8	2 5/8	2	12 1/2	4 3/4
10	32 3/4	11 3/8	—	5 5/8	6	3 3/8	—	12 1/2	2 1/4	2 1/8	18	5 1/2	2 5/8	2 5/8	2	12 1/2	4 3/4
12	32 3/4	11 3/8	—	5 5/8	6	3 3/8	—	12 1/2	2 1/4	2 1/8	18	5 1/2	2 5/8	2 5/8	2	12 1/2	4 3/4

Hand Equipment

Hand Chain Hoists

Wright Steel Hand Hoists — Hook Suspension



A Wright lightweight steel hand hoist is compact, of high strength and ruggedly built. All purpose, heavy duty, steel construction, it is designed for dependable service in powerhouses, industry, warehousing, machine shops and foundry applications. It is easy to use in tight places and delivers maximum efficiency while reducing worker fatigue. It provides outstanding service with minimum of maintenance time. Simplicity of design means long, trouble free life.

Construction Features

Frame

The loadbearing parts of the steel frame are ductile and shock resistant for strength and reliability.

Covers

Easily removed steel covers protect the gearing and brake, but do not support bearings.

Optional Overload Limit Device

This clutch prevents lifting loads that could permanently damage the hoist. Preset at the factory for the hoist capacity, the device is installed between the handwheel and the load brake.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy load shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Load Block

The load block supports the load hook on a heavy duty antifriction bearing, permitting hook to swivel 360° under capacity loads. In larger capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hooks

The hooks are drop forged, heat-treated, ductile, alloy steel, and equipped with spring latches. The lower hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360° under capacity load.

Handwheel and Chain

The pockets of the pressed steel handwheel precisely fit the zinc-plated, welded coil chain. The steel cover comes with replaceable non-fouling guides.

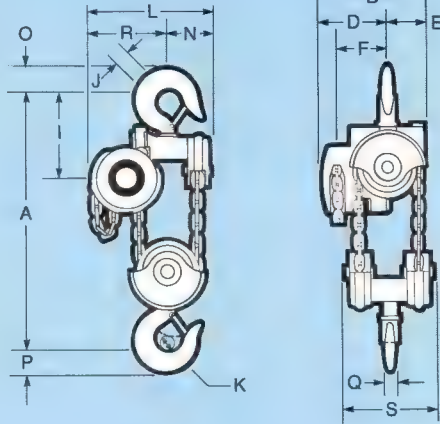
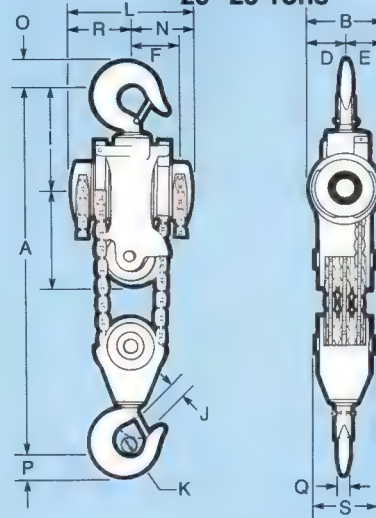
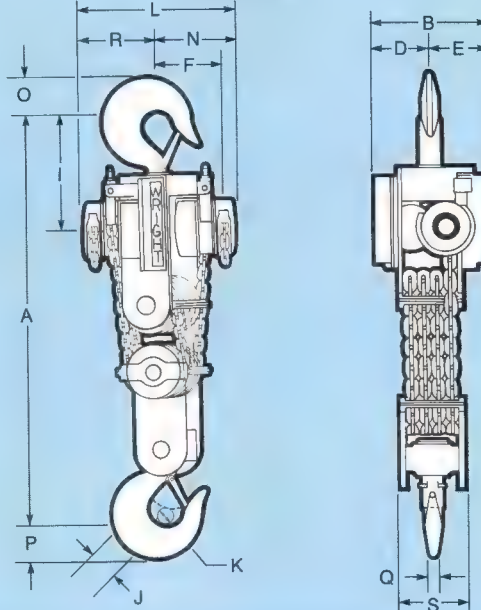
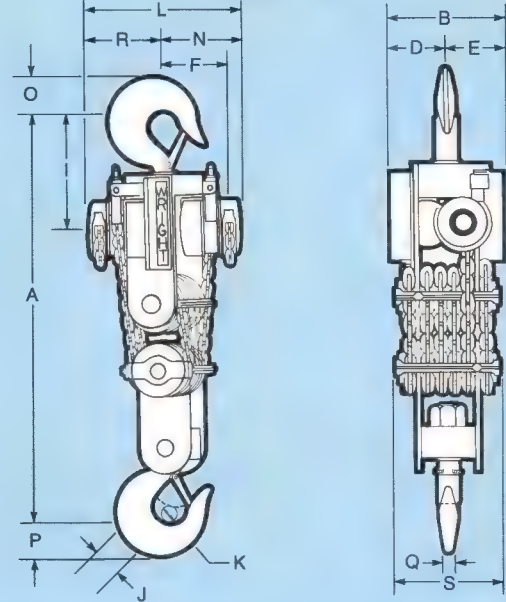
Specifications

Capacity (tons)	Product Number	Standard Lift (ft.)	Chain Pull to Lift Full Load (lbs.)	Feet of Chain Overhauled to Lift Load One Foot (ft.)	Parts of Load Chain	Net Weight (lbs.)
16	1300120	8	84	508	4	556
20	1300130	8	73 ^a	381 ^a	6	1033
25	1300140	8	92 ^a	381 ^a	6	1033
30	1300150	8	91 ^a	508 ^a	8	1405
40	1300160	8	88 ^a	762 ^a	12	2004
50	1300170	8	110 ^a	762 ^a	12	2004

^a Chain pull and overhaul applies to each hand chain when they are operated simultaneously.

A 60 ton unit is available (contact the local office or salesman).

Review testing conditions on page 21.

16 Tons

20-25 Tons

30 Tons

40-50 Tons

Dimensions (Inches)

Capacity (tons)	A	B	D	E	F	I	J	K	L	N	O	P	Q	R	S
16	34½	18	11¼	6¾	10	15	3	2⅞	22¾	7¾	3	3	2¾	15	15½
20	66	14	7	7	10¾	21	3⅝	3⅞	24	12	3⅝	3⅝	3	12	11
25	66	14	7	7	10¾	21	3⅝	3⅞	24	12	3⅝	3⅝	3	12	11
30	66¾	15¾	7⅞	7⅞	12	20	3⅝	3⅞	26½	13¼	3⅝	3⅝	3	13¼	14¾
40	79	20½	10¼	10¼	13	23½	5⅞	5⅞	29	14½	3⅝	3⅝	4⅞	14½	20
50	79	20½	10¼	10¼	13	23½	5⅞	5⅞	29	14½	3⅝	3⅝	4⅞	14½	20

Hand Equipment

Aluminum Army Type Trolley Hoists

Wright Trolley Hoists — Plain and Geared



The load bar of a *Wright* aluminum army type hoist attaches the frame of a portable hand hoist directly to a trolley. This integral trolley design facilitates low headroom applications on monorails and bridge cranes.

Construction Features

Trolley

Ball bearings support all wheels. Models up to 2 ton capacity use dual tread through hardened cast iron wheels. Models over 2 tons have forged steel wheels with hardened tapered or flat treads.

A short wheel base allows the trolley to operate on curved beams. Steel side plates adjust to fit a wide range of beams and extend past the wheels as bumpers.

Frame

The lightweight, rugged, one piece frame is a cast, ductile, shock resistant, aluminum alloy.

Covers

Easily removed *Lexan* resin covers protect the gearing and brake, but do not support bearings.

Overload Limit Device

Installed at the factory for the capacity of the hoist, this limiting device provides added protection to load, hoist and operator.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy load shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Hook

The hook is drop forged, heat treated, ductile, alloy steel, and equipped with spring latches. The hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360° under capacity load.

Handwheel and Chain

The pockets of the cast aluminum alloy handwheel precisely fit the zinc-plated, welded coil chain. The resilient *Lexan* cover protects the wheel and provides non-fouling chain guides.

Specifications

Capacity (tons)	Standard Lift ^b (ft.)	Type of Trolley ^c	Product Number	Pull to Travel (lbs.)	Minimum Radius Curve ^e (in.)	Chain Overhaul to lift load one foot (ft.)	Parts of Load Chain	Beam Range Flange Width ^a (in.)		Net Weight (lbs.)
								Minimum	Maximum	
1/2	8	Plain	1510050	15	60	46	1	3	5	84
		Geared	1510090	5 ^d	60	46	1	3	5	99
1	8	Plain	1510060	30	60	46	1	3	5	86
		Geared	1510100	10 ^d	60	46	1	3	5	101
2	8	Plain	1510080	60	66	53	1	3 1/4	5 1/2	136
		Geared	1510120	20 ^d	66	53	1	3 1/4	5 1/2	157
3	8	Plain	1510130	90	96	106	2	4	6 1/4	236
		Geared	1510170	17 ^d	96	106	2	4	6 1/4	273
4	8	Plain	1510140	120	96	106	2	4	6 1/4	236
		Geared	1510180	23 ^d	96	106	2	4	6 1/4	273
5	8	Plain	1510150	150	96	159	3	4 5/8	7	314
		Geared	1510190	28 ^d	96	159	3	4 5/8	7	350
6	8	Plain	1510160	180	96	159	3	4 5/8	7	314
		Geared	1510200	35 ^d	96	159	3	4 5/8	7	350

^a All references to beam flange width are for clearances only and do not imply that lower flange of the beam will support the hoist with load.

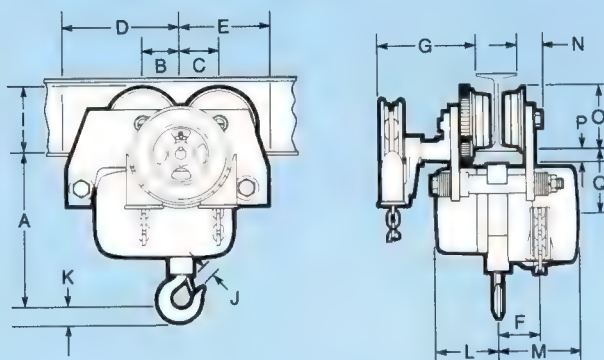
^b Level of hand chain drop is 24" above lower limit hook.

^c Up to 2 tons wheels are dual tread design. Over 2 tons wheels operate on either standard or wide flange beams (specify type beam).

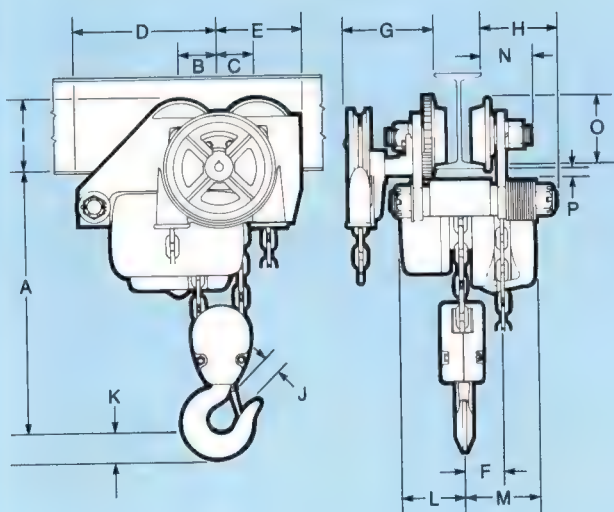
^d Amount of hand chain pull for geared trolley to travel. The hand chain overhaul per foot of travel is 3 1/2 ft. for up to 2 ton capacities and 5 ft. for 3 to 6 tons.

^e 1/2 through 4 tons minimum radius is based on 4" flange width and 5 and 6 tons is based on 4 5/8" flange width. Flanges of larger width will increase minimum radius. Contact factory.

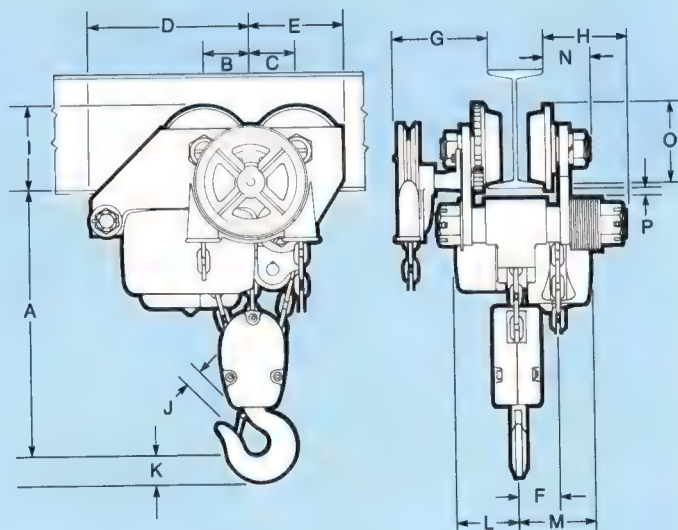
1/2—2 Ton
Wheel Dia.—4



3—4 Ton
Wheel Dia.—5



5—6 Ton
Wheel Dia.—6



Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1/2	11 ¹ / ₈	2 ³ / ₄	2 ³ / ₄	8 ¹ / ₄	6 ¹ / ₄	3	7 ¹ / ₄	—	4 ³ / ₄	1 ¹ / ₈	1 ¹ / ₈	4 ¹ / ₈	5 ³ / ₄	2 ¹ / ₄	4 ⁵ / ₈	1 ¹ / ₈	4 ³ / ₄
1	11 ¹ / ₈	2 ³ / ₄	2 ³ / ₄	8 ¹ / ₄	6 ¹ / ₄	3	7 ¹ / ₄	—	4 ³ / ₄	1 ¹ / ₈	1 ¹ / ₈	4 ¹ / ₈	5 ³ / ₄	2 ¹ / ₄	4 ⁵ / ₈	1 ¹ / ₈	4 ³ / ₄
2	15 ¹ / ₄	2 ³ / ₄	2 ³ / ₄	9 ⁵ / ₈	7	3 ¹ / ₂	7 ³ / ₈	—	4 ³ / ₄	1 ¹¹ / ₃₂	1 ⁷ / ₁₆	4 ⁷ / ₈	6 ¹ / ₈	2 ¹ / ₄	4 ⁵ / ₈	1 ¹ / ₈	6
3	20 ⁷ / ₈	3 ³ / ₈	3 ³ / ₈	11 ⁷ / ₈	6 ³ / ₄	3 ¹ / ₂	7 ¹ / ₄	5 ³ / ₄	5 ³ / ₄	1 ¹¹ / ₁₆	1 ¹³ / ₁₆	4 ⁷ / ₈	6 ¹ / ₈	3 ⁷ / ₈	5 ¹ / ₂	3 ¹ / ₄	—
4	20 ⁷ / ₈	3 ³ / ₈	3 ³ / ₈	11 ⁷ / ₈	6 ³ / ₄	3 ¹ / ₂	7 ¹ / ₄	5 ³ / ₄	5 ³ / ₄	1 ¹¹ / ₁₆	1 ¹³ / ₁₆	4 ⁷ / ₈	6 ¹ / ₈	3 ⁷ / ₈	5 ¹ / ₂	3 ¹ / ₄	—
5	22 ³ / ₈	3 ⁷ / ₈	3 ⁷ / ₈	13 ¹ / ₂	7 ⁵ / ₈	3 ¹ / ₂	7 ¹ / ₂	6 ⁵ / ₈	6 ³ / ₄	1 ¹¹ / ₁₆	1 ¹³ / ₁₆	4 ⁷ / ₈	6 ¹ / ₈	3 ⁷ / ₈	6 ¹ / ₂	3 ¹ / ₄	—
6	22 ³ / ₈	3 ⁷ / ₈	3 ⁷ / ₈	13 ¹ / ₂	7 ⁵ / ₈	3 ¹ / ₂	7 ¹ / ₂	6 ⁵ / ₈	6 ³ / ₄	1 ¹¹ / ₁₆	1 ¹³ / ₁₆	4 ⁷ / ₈	6 ¹ / ₈	3 ⁷ / ₈	6 ¹ / ₂	3 ¹ / ₄	—

Hand Equipment

Steel Army Type Trolley Hoists

Wright Trolley Hoists — Plain and Geared



Wright Army type steel hoists are designed for low headroom applications where a hand operated hoist with an integral trolley is advantageous. The compact profile is ideally suited for applications on bridge cranes and monorails. The lightweight steel hoist frame with load bar when attached to either a plain or geared trolley offers ease of operation in lifting and transporting light or heavy loads.

Construction Features

Trolley

The steel trolleys with prelubricated bearings are available to fit a range of either standard or wide flange beams. Geared trolleys are equipped with two plain and two geared wheels and are provided with a cast hand chain wheel and hand chain guide and operating hand chain.

Frame

The loadbearing parts of the steel frame are ductile and shock resistant for strength and reliability.

Covers

Easily removed steel covers protect the gearing and brake, but do not support bearings.

Optional Overload Limit Device

This clutch prevents lifting loads that could permanently damage the hoist. Preset at the factory for the hoist capacity, the device is installed between the handwheel and the load brake.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brakes

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy load shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Load Block

The load block supports the load hook on a heavy duty antifriction bearing, permitting hook to swivel 360° under capacity loads. In larger capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hook

Equipped with spring latches, the drop forged heat-treated alloy steel hook swivels 360° on a prelubricated thrust bearing.

Handwheel and Chain

The pockets of the pressed steel handwheel precisely fit the zinc-plated, welded coil chain. The steel cover comes with replaceable non-fouling guides.

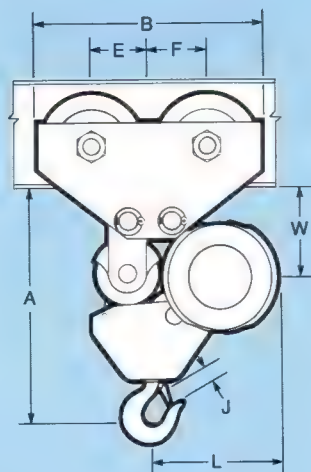
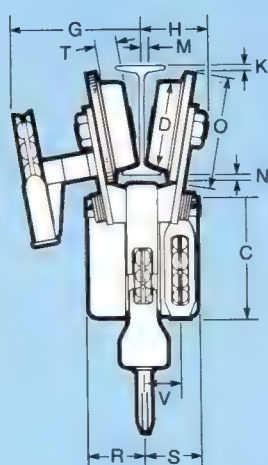
Specifications

Capacity (tons)	Standard Lift ^b (ft.)	Type of Trolley	Product Number	Pull to Travel (lbs.)	Hand Chain Overhaul per foot of Travel (ft.)	Minimum Radius Curve (in.)	Chain Pull to Lift Full Load (lbs.)	Hand Chain Overhaul per Foot of Lift (ft.)	Parts of Load Chain	Beam Range ^a Flange Width (in.)		Net Weight (lbs.)
										Minimum	Maximum	
5	8	Plain	1530010	82	—	48	71	174	2	4 $\frac{5}{8}$	6 $\frac{1}{4}$	375
		Geared	1530020	20	4.4	48	71	174	2	4 $\frac{5}{8}$	6 $\frac{1}{4}$	400
6	8	Plain	1530030	102	—	48	88	174	2	4 $\frac{5}{8}$	6 $\frac{1}{4}$	375
		Geared	1530040	24	4.4	48	88	174	2	4 $\frac{5}{8}$	6 $\frac{1}{4}$	400
8	8	Plain	1500090	80	—	84	78	254	2	5	7 $\frac{1}{4}$	491
		Geared	1500190	18	7	84	78	254	2	5	7 $\frac{1}{4}$	558
10	8	Plain	1500100	100	—	84	98	254	2	5	7 $\frac{1}{4}$	491
		Geared	1500200	22	7	84	98	254	2	5	7 $\frac{1}{4}$	558

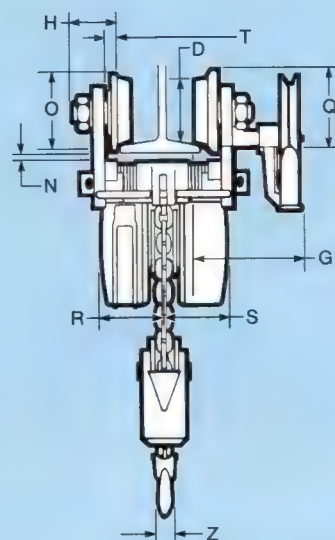
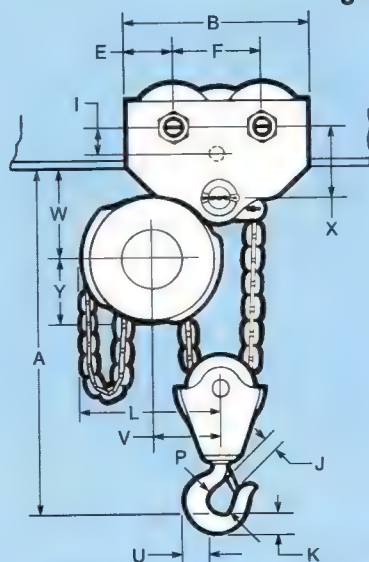
^a Must specify Std. I beam or WF beam. All reference to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load. Beam information is based on Std. I beams. Trolleys can be furnished for flat flange beams within flange width shown at no additional cost. Trolleys can be furnished for Std. I beams or flat flange beams within the flange width range of 7 $\frac{1}{2}$ in. min. to 9 $\frac{3}{4}$ in. max. at additional cost.

^b Level of hand chain drop is 24" above lower limit hook.

5-6 Ton



8-10 Ton



Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
5	22	19½	9¼	7⅜	5	5	13⅛	5¾	—	11⅛	1⅝	11⅞	1⅝	1	9	12⅝	8⅞	5	5	17⅛	2⅛	3¼	8⅝	6⅞	5	1⅝
6	22	19½	9¼	7⅜	5	5	13⅛	5¾	—	11⅛	1⅝	11⅞	1⅝	1	9	12⅝	8⅞	6	6	17⅛	2⅛	3¼	8⅝	6⅞	5	1⅝
8	27½	16	—	6	4	8	8⅝	4	2⅜	2¼	2⅝	12	—	½	6⅞	2⅞	6⅞	5⅜	6	1⅜	2⅝	5⅝	8½	6⅜	5⅝	1⅝
10	27½	16	—	6	4	8	8⅝	4	2⅜	2¼	2⅝	12	—	½	6⅞	2⅞	6⅞	5⅜	6	1⅜	2⅝	5⅝	8½	6⅜	5⅝	1⅝

Hand Equipment

Low Headroom Trolley Hoists

Wright 600 Type Trolley Hoists — Plain and Geared



The Wright 600 type trolley hoist combines a steel hand hoist with a trolley design that allows hook travel to the highest point possible below the beam.

Construction Features

Trolley

Trolleys with prelubricated bearings fit standard "I" and "WF" beams. Equipped with two plain and two geared wheels, geared trolleys have cast handwheels, guides and chains.

Frame

The loadbearing parts of the steel frame are ductile and shock resistant for strength and reliability.

Covers

Easily removed steel covers protect the gearing and brake, but do not support bearings.

Optional Overload Limit Device

This clutch prevents lifting loads that could permanently damage the hoist. Preset at the factory for the hoist capacity, the device is installed between the handwheel and the load brake.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Load Block

The load block supports the load hook on a heavy duty antifriction bearing, permitting hook to swivel 360° under capacity loads. In larger capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hook

Equipped with spring latches, the drop forged heat-treated alloy hook swivels 360° on a prelubricated thrust bearing.

Handwheel and Chain

The pockets of the pressed steel handwheel precisely fit the zinc-plated, welded coil chain. The steel cover comes with replaceable non-fouling guides.

Specifications

Capacity (tons) ^a	Trolley Type ^d	Product Number	Pull to Travel (lbs.)	Hand Chain Overhaul per Foot of Travel (ft.)	Hand Chain Pull to Lift Full Load (lbs.)	Hand Chain Overhaul per Foot of Lift (ft.)	Parts of Chain	Beam Range Flange Width ^b		Net Weight (lbs.)
								Minimum (in.)	Maximum (in.)	
1/2	Plain CI	1500210	8	—	11	129	2	4	6 1/4	438
	Geared CI	1500350	2	6	11	129	2	4	6 1/4	469
1	Plain CI	1500220	15	—	21	129	2	4	6 1/4	438
	Geared CI	1500360	3	6	21	129	2	4	6 1/4	469
1 1/2	Plain CI	1500230	23	—	31	129	2	4	6 1/4	438
	Geared CI	1500370	5	6	31	129	2	4	6 1/4	469
2	Plain CI	1500240	30	—	41	129	2	4	6 1/4	438
	Geared CI	1500380	6	6	41	129	2	4	6 1/4	469
3	Plain CI	1500250	45	—	60	129	2	4	6 1/4	438
	Geared CI	1500390	9	6	60	129	2	4	6 1/4	469
4	Plain CI	1500260	60	—	81	129	2	4	6 1/4	438
	Geared CI	1500400	12	6	81	129	2	4	6 1/4	469

Minimum Radius Curves (Inches)

Capacity (tons)	Patented Track			Standard I Beam Flange Widths ^c									
	2	3 1/4	3 3/8	3	3 3/8	3 5/8	4	4 5/8	5	5 1/2	6	6 1/4	7
1/2 - 4	N/A	N/A	N/A	N/A	N/A	N/A	36	42	48	60	78	9	N/A

^a Standard lift is 8 ft. Level of hand chain is 24" above lower hook limit.

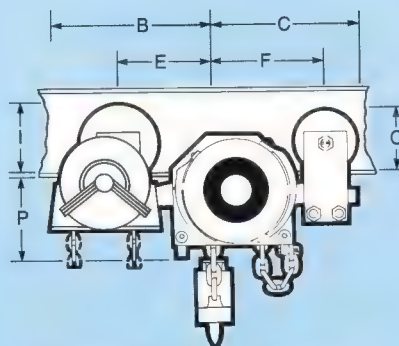
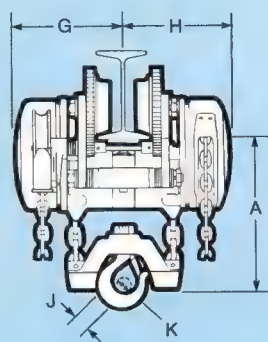
^b All references to flange widths are for clearances purpose only and do not imply that lower flange will support hoist with load. 1/2 through 4 ton capacity units available for 3 1/4 and 3.33 inch Patented Track flange width. Contact factory for pricing.

^c Minimum radius curves available for WF beam applications. Customer must furnish size and weight of beam or width and thickness of flange.

^d "CI" refers to cast iron wheels.

1/2-4 Ton

Wheel Dia.—5"



7 Inch Minimum Beam Height.

Dimensions (Inches)

Capacity (tons)	A	B	C	E	F	G	H	I	J	K	O	P
1/2	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2
1	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2
1 1/2	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2
2	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2
3	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2
4	8	15	15 1/4	9 1/2	12	10 5/8	11 3/8	6	1 5/8	1 5/8	5 5/8	7 1/2

Hand Equipment

Low Headroom Trolley Hoists

Wright 600 Type Trolley Hoists — Plain and Geared



The Wright 600 type trolley hoist combines a steel hand hoist with a trolley design that allows hook travel to the highest point possible below the beam.

Construction Features

Trolley

Trolleys with prelubricated bearings fit standard "I" and "WF" beams. Equipped with two plain and two geared wheels, geared trolleys have cast handwheels, guides and chains.

Frame

The loadbearing parts of the steel frame are ductile and shock resistant for strength and reliability.

Covers

Easily removed steel covers protect the gearing and brake, but do not support bearings.

Gear Train

Alloy steel heat-treated planetary spur gears, with shock resistant ductile cores, operate in a lubricated grease-tight chamber. Mounted on heavy duty permanently lubricated bearings, gears and pinions meet AGMA standards.

Optional Overload Limit Device

This clutch prevents lifting loads that could permanently damage the hoist. Preset at the factory for the hoist capacity, the device is installed between the handwheel and the load brake.

Load Brake

Weston type multiple disc brake controls load smoothly with no wear adjustment, holding full capacity loads in any position.

Load Sheave

The nodular iron load sheave is reversible for double life, since it is spline fitted to an alloy shaft supported by prelubricated bearings. A one piece steel guide minimizes chain jams between the sheave and housing.

Load Chain

The zinc-plated, heat-treated alloy load chain is precisely calibrated to seat in the deep sheave pockets.

Load Block

The load block supports the load hook on a heavy duty antifriction bearing, permitting hook to swivel 360° under capacity loads. In larger capacities, chain sheaves are supported on antifriction bearings. Load block is designed to guide the chain without jamming during normal operation.

Hook

Equipped with spring latches, the drop forged heat-treated alloy hook swivels 360° on a prelubricated thrust bearing.

Handwheel and Chain

The pockets of the pressed steel handwheel precisely fit the zinc-plated, welded coil chain. The steel cover comes with replaceable non-fouling guides.

Specifications

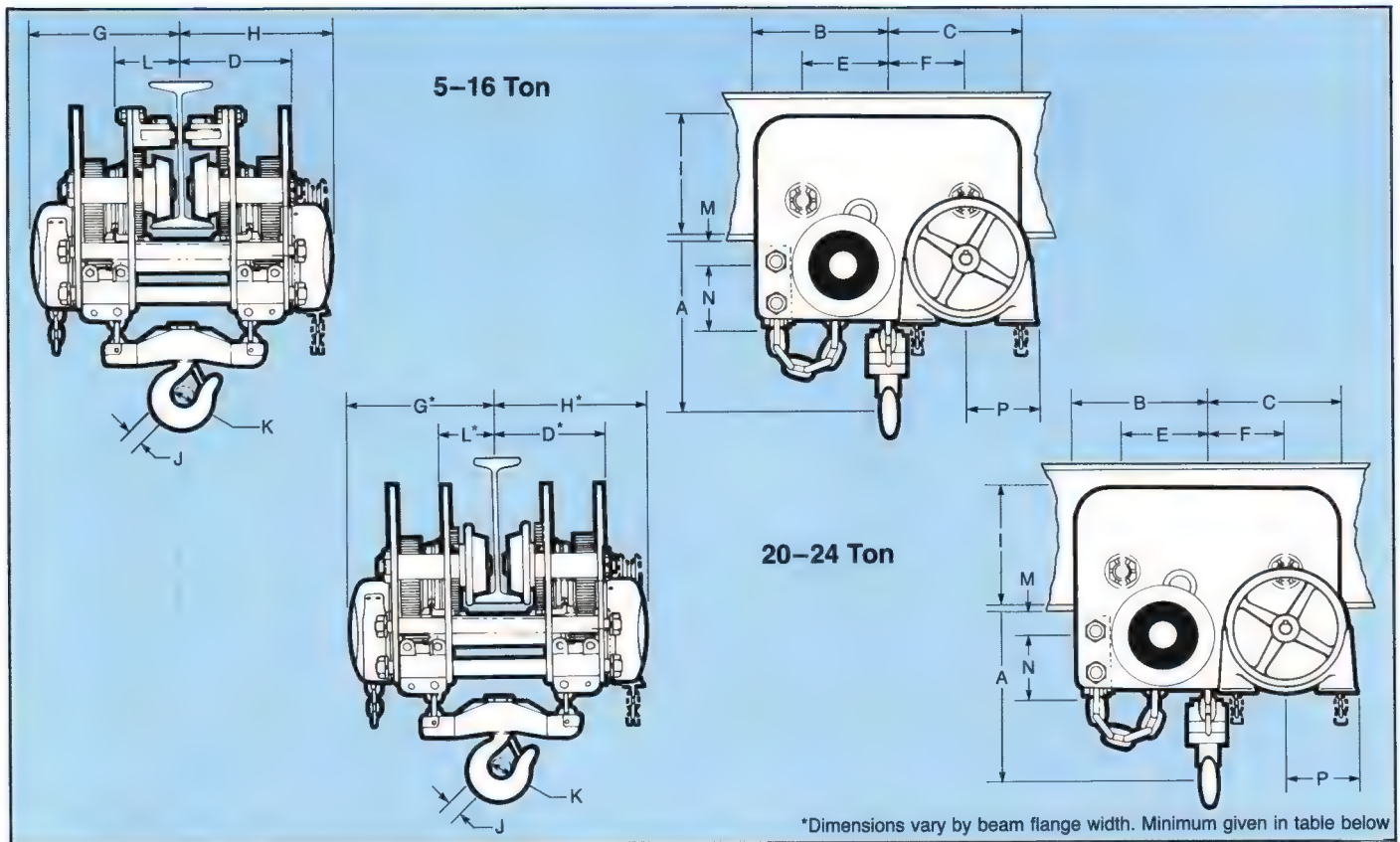
Capacity (tons) ^a	Trolley Type ^c	Product Number	Pull to Travel (lbs.)	Hand Chain Overhaul per Foot of Travel (ft.)	Hand Chain Pull to Lift Full Load (lbs.)	Hand Chain Overhaul per Foot of Lift (ft.)	Parts of Load Chain	Beam Range Flange Width ^b		Net Weight (lbs.)
								Minimum (in.)	Maximum (in.)	
5	Plain CI	1500270	50	—	62	200	2	5	6½	630
	Geared CI	1500410	20	6	62	200	2	5	6½	683
6	Plain CI	1500280	60	—	75	200	2	5	6½	630
	Gear CI	1500420	24	6	75	200	2	5	6½	683
8	Plain CI	1500290	80	—	56	400	4	5½	7	951
	Geared CI	1500430	18	7	56	400	4	5½	7	1020
10	Plain CI	1500300	100	—	70	400	4	5½	7	951
	Geared CI	1500440	22	7	70	400	4	5½	7	1020
12	Plain CI	1500310	135	—	84	400	4	6	7	1278
	Geared CI	1500450	27	8	84	400	4	6	7	1376
16	Plain CI	1500320	180	—	120	395	4	6	7	1314
	Geared CI	1500460	36	8	120	395	4	6	7	1418
20	Plain CI	1500330	200	—	80	762	6	6	7	1431
	Geared CI	1500470	62	9.5	80	762	6	6	7	1553
24	Plain CI	1500340	240	—	100	762	6	6	7	1431
	Geared CI	1500480	66	9.5	100	762	6	6	7	1553

^a Standard lift is 8 ft. Level of hand chain is 24 inches above lower hook limit.

^b All references to flange widths are for clearances purposes only and do not imply that lower flange will support hoist with load. 20 and 24 ton capacity units available for 8 inch beam flange width. Contact factory for pricing. Customer must furnish size and weight of beam or width and thickness of flange.

^c "CI" refers to cast iron wheels.

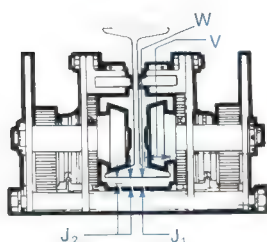
Minimum radius curves will be determined according to application. Customer must furnish size and weight of beam or width and thickness of flange.



Dimensions (Inches)

Capacity (tons)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Wheel Diameter
5	8½	12½	12½	10	7½	7½	14	14¼	10¾	11⅛	11⅛	5⅞	3¼	6¼	6¾	6
6	8½	12½	12½	10	7½	7½	14	14¼	10¾	11⅛	11⅛	5⅞	3¼	6¼	6¾	6
8	11	14¾	12¾	10½	10½	7½	14½	15½	12½	2¼	2¼	6⅞	3⅜	6¼	8½	8
10	11	14¾	12¾	10½	10½	7½	14½	15½	12½	2¼	2¼	6⅞	3⅜	6¼	8½	8
12	11	15¾	14	11¼	10½	7½	15¼	16	15½	2¼	2¼	6⅞	3⅜	6¼	9½	10
16	13½	15¾	14	11¼	10½	7½	15¼	16	15½	3	2⅞	6⅞	3⅜	6¼	9½	10
20	17¼	18½	17½	11¼	12	10	15¼	16	13	3⅝	3⅞	6	4¼	6¼	9½	12
24	17¼	18½	17½	11¼	12	10	15¼	16	13	3⅝	3⅞	6	4¼	6¼	9½	12

Variable Dimensions (Inches)



5-24 Ton Variable Dimensions

Capacity (tons)	5 and 6				8 to 10				12 to 16			24 to 24		
Standard I Beam	12	15	18	20	15	18	20	24	18	20	24	18	20	24
J₁^a	17/16	1¾	1¼	1¾	15/16	13/16	1½	1	1¼	1½	1	1½	1¾	1¾
J₂^a	15/16 ^c	13/16 ^c	7/8 ^b	¾ ^b	15/16 ^c	13/16 ^c	1½ ^c	¾ ^b	1½ ^c	1¾ ^c	1¼ ^c	½	¾	¾
V	115/16	23/16	27/16	29/16	1¾	2	2½	2½	25/16	27/16	213/16	2¼	2¼	2¼
W	9½	95/16	95/16	9¾	11½	11¼	115/16	117/16	12¼	12¾	12½	Not Applicable		

^a J₁ is for plain hoist; J₂ for geared hoist. Dimensions in table are for standard I Beam applications. For Patented Track or WF beam application, contact factory. Customer must furnish size and weight of beam or width and thickness of flange.

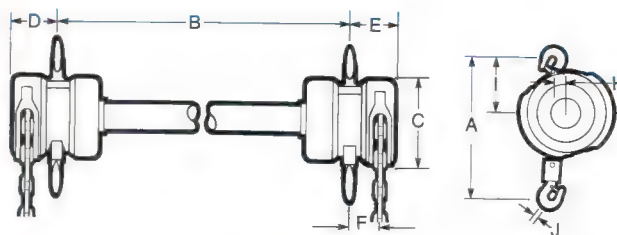
^b Clearance measured to hub of drive pinion.

^c Clearance to drive shaft.

Hand Equipment Twin Hook Hoists



The Twin Hook Hoist drives two separate load chains at the same time, from a single hand chain. It lifts long and bulky loads easily and evenly, handling such unwieldy pieces as tubes, frames, towers, drying and storage racks, auto or truck bodies, vats and tanks. It may be hung from trolleys or fixed positions.



Specifications

Capacity (tons)	Product Number	Standard Lift (ft.)	Handchain Overhaul (ft.)	Handchain Pull (lbs.)	Net Weight (lbs.)
1/2	1430010	8	33	35	106
1	1430020	8	33	70	162
1 1/2	1430030	8	58	64	287
2	1430040	8	58	83	412

Dimensions (Inches)

A	B	C	D	E	F	H	I	J
12 1/8	36	7 1/4	4 1/4	4 1/4	3	1 3/8	5 7/8	1
12 1/4	36	7 1/4	4 1/4	4 1/4	3	1 3/8	5 7/8	1
15 7/8	36	9 3/4	5	5	3 1/4	1 3/4	8 1/8	1 1/8
15 7/8	36	9 3/4	5	5	3 1/4	1 3/4	8 1/8	1 1/8

Hand Equipment Modifications and Accessories

STD — Standard Equipment

OPT — Optional Equipment

N/A — Not Available

APP — On application. Consult your nearest *Wright* representative.

The descriptions of the following accessories & modifications are found on page 21.

A Upper Suspensions:

Hook Suspension Hoists

Hook, zinc plated, swivel

Spring type latch

Bullard type

1/2 to 6 tons

8 to 16 tons

Over 16 tons

Bronze hooks

Clevis connection

1/2 to 16 tons

Over 16 tons

Trolleys for hook mounting

(see pages 26 through 29, 60 and 61)

Bronze wheels

Track clamps

Aluminum	Steel
APP	APP
STD	STD
APP	—
—	OPT
—	APP
APP	APP
APP	APP
—	N/A
OPT	OPT
OPT	OPT
OPT	OPT

Army Type Trolley Hoists

Trolleys

Plain trolleys

Geared trolleys

Cast iron wheels

1/2 to 2 tons

5 to 10 tons

Steel wheels

3 to 6 tons

Patented track

1/2 to 2 tons

2" flat flange

Plain

Geared

3.25 to 3.33" flat flange

Plain

Geared

Over 2 tons

2" flat flange

Plain or geared

3.25 to 3.33" flat flange

Plain

Geared

Bronze wheels

Track clamps

Hoist for monorail trolleys

Special drop of trolley hand chain

Aluminum	Steel
STD	STD
STD	STD
STD	—
—	STD
STD	—
APP	—
N/A	—
STD	—
STD	—
N/A	N/A
APP	APP
APP	N/A
APP	APP
APP	OPT
OPT	OPT
OPT	OPT

Low Headroom 600 Type Trolley Hoist

	Aluminum	Steel
Plain trolleys	—	STD
Geared trolleys	—	STD
Cast iron wheels	—	STD
Patented track	—	APP
Bronze wheels	—	APP
Track clamps	—	OPT
Special drop of hand chain	—	OPT

B Hoist Frame:

Hook Suspension or Trolley Type

Aluminum casting	STD	N/A
Steel frame	N/A	STD
Load limiting device	STD	OPT
Covers, handwheel and gearing		
Lexan resin	STD	N/A
Steel	N/A	STD
Mechanical load brake	STD	STD

C Load Chains:

8'-0" lift	STD	STD
Additional lift of load chain	OPT	OPT
Zinc peen plated	N/A	OPT
Bright finish	N/A	STD
Cadmium plated	APP	APP
Electro zinc plated	STD	APP
Stainless Steel	—	APP

D Hand Chain:

24 inches above lower hook limit	STD	STD
Additional drop of hand chain	OPT	OPT
Zinc peen plated	N/A	N/A
Bright finish	N/A	N/A
Cadmium plated	APP	APP
Electro zinc plated	STD	STD
Aluminum chain	OPT	OPT

The term "STANDARD" indicates that the item is included in the base price.

The term "OPTIONAL" indicates that the item can be applied to the hoist at additional cost.

The term "ON APPLICATION" indicates that the item may be applied to the hoist and nearest Wright representative must be contacted for additional cost.

Testing

Hoists up to 30 tons are tested in accordance with Acco's standard procedure, which complies with industry standards and Federal regulations.

On units above 30 tons, load testing in accordance with ANSI B30.16 **cannot** be performed by Acco. Buyer assumes the responsibility of conducting load tests in accordance with ANSI B30.16 after installation and before operation of the hoist.

Three copies of test certification will be furnished at no additional cost if request is made at the time of the purchase order.

Special testing is available on application.

A Upper Suspensions

Hooks

Hooks with spring type latches are standard on all hoists.

Hooks with Bullard type latches are available as optional equipment.

Bronze hooks with spring type latches are available on application.

Clevis Connection

Wright clevis connected hand hoists are offered for applications where the standard hook connected hand hoists and attached trolley do not provide needed close headroom; or when easy detachment of the trolley from the hoist is not desired.

Clevis connection is available as optional equipment on steel hand hoists up to 16 tons. On aluminum frame hook suspension hand hoists, it is not available.

Trolleys For Hook Mounted Hoists

Trolleys used with hook suspension see pages 26 through 29, 60 and 61

Patented Track Trolleys

Standard aluminum army type trolley hoists, 1/2 to 2 tons capacity, plain or geared, will operate on 3.25" or 3.33" flat flange monorail systems provided there are no splice plates, transfer latches or switches.

Bronze Wheels

Bronze trolley wheels for standard "I" beam or "WF" beams are available on application.

Track Clamps

Track clamps are available on all army type trolley hoists, 600 type trolley hoist, and C-TB trolleys as optional equipment.

Track clamps are designed to grip the beam flanges and to hold the loaded trolley or trolley hoist firmly in one location. They are designed to withstand the pull in either direction parallel to the beam equal to 1/3 the capacity of the unit. Clamps are operated by pendant hand chain.

Special Drop of Trolley Hand Chain

Standard drop of hand chain on geared trolleys is 24 inches above lower hook limit. Special drops must be specified.

To order specify additional drop or length. Additional length should be twice the distance of drop.

See Section D for type of chain finishes available.

B Frame

Overload Limit Device

Load limiting device is furnished as standard equipment on all hook suspension and army type trolley aluminum hand hoists.

Load limiting clutch (L.L.C.) is available as optional equipment on all hook suspension, army type trolley and 600 type trolley steel hand hoists.

Load limiting device/clutch provides an extra protection by automatically preventing the hoist from lifting excessive overloads within a preset range.

C Load Chain

Additional Lift

Additional lift for hand chain hoists is available as an option. Standard lift is 8'-0".

To order specify additional lift of hoist.

Load Chain

Electro zinc plated load chain is standard on all hook suspension and army type trolley aluminum hand hoists.

Bright finish load chain is standard on all hook suspension, army type trolley and 600 type trolley steel hand hoists. This chain is treated with a rust inhibitor.

Zinc peen plated load chain is available as an option for the steel hoists.

Electro zinc plated load chain, suitable for most industrial locations, is available on application for the steel hoists.

Cadmium plated load chain suitable for use in salt laden atmospheres is available on application.

Stainless steel load chain is available on application for the steel hoists.

D Hand Chain

Special Drop of Hand Chain

Standard drop of hand chain on hand hoists is 24 inches above lower hook limit.

Special drops must be specified.

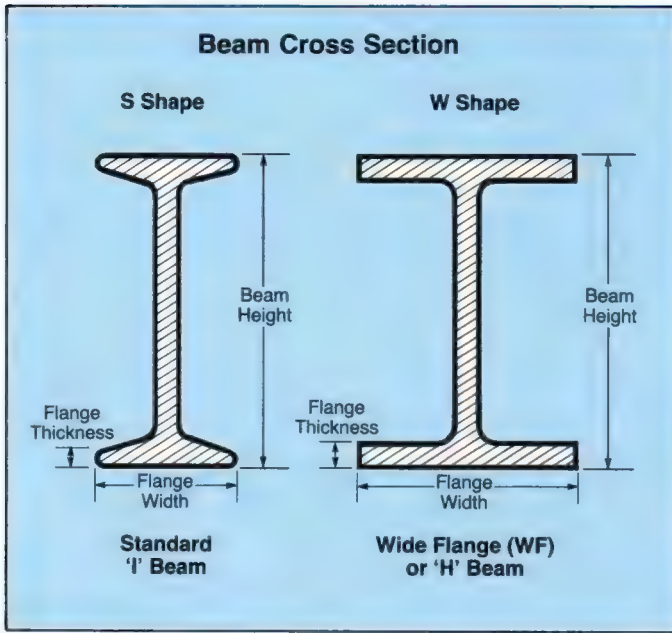
Standard hand chain is electro zinc plated.

Aluminum hand chain, suitable for hazardous locations, is available as optional equipment.

Cadmium plated hand chain suitable for use in salt laden atmospheres is available on application.

To order specify additional drop or length. Additional length should be twice the distance of drop.

How To Order Check List



Lever Hoists

- ☐ Capacity
- ☐ Reach

Hook Suspended Hand Hoists

- ☐ Capacity
- ☐ Aluminum or Steel
- ☐ Lifting Distance
- ☐ Clevis Equipped Trolley
- ☐ Hand Chain Drop

Army Type and Low Headroom 600 Type Trolley Hand Hoists

- ☐ Capacity
- ☐ Aluminum or Steel
- ☐ Lifting Distance
- ☐ Beam Size
- ☐ Curved Beam
- ☐ Curve Radius
- ☐ Plain or Geared Trolley
- ☐ Hand Chain Drop

Electric Chain Hoists

- ☐ Capacity
- ☐ Lifting Distance
- ☐ Lifting Speed
- ☐ Suspension
- ☐ Motor Voltage
- ☐ Beam Size
- ☐ Curved Beam
- ☐ Curve Radius
- ☐ Modifications
- ☐ Push Button Drop

Wright-Way Electric Wire Rope Hoists

- ☐ Capacity
- ☐ Lifting Distance
- ☐ Lifting Speed
- ☐ Reeving
- ☐ Headroom
- ☐ Suspension
- ☐ Motor Voltage
- ☐ Beam Size
- ☐ Curved Beam
- ☐ Curve Radius
- ☐ Modifications

Hoist Chain Specifications

Hoist Product No.	Capacity (tons)	Load Chain No.	Hand Chain No.	Standard Lift (ft.)	Chain Parts	Load Chain Length	Hand Chain Length
Lever Hoists							
1100020	3/4	48157-1	—	5	1	5'6"	—
1100030	1 1/2	48152-1	—	5	1	5'6"	—
1100040	3	48152-1	—	5	2	11'6"	—
1100050	6	48152-1	—	5	4	23'6"	—
Aluminum Hand Hoists							
1310010	1/2	48151-1	48158-1	8	1	9'	14'
1310020	1	48151-1	48158-1	8	1	9'	14'
1310040	2	48153-1	48158-1	8	1	9'4"	14'
1310050	3	48153-1	48158-1	8	2	18'4"	16'
1310060	4	48153-1	48158-1	8	2	18'4"	16'
1310070	5	48153-1	48158-1	8	3	27'1"	16'
1310080	6	48153-1	48158-1	8	3	27'1"	16'
Steel Hand Hoists							
1330010	1/2	68736-01	68736-03	8	1	9'	14'
1330020	1	68736-01	68736-03	8	1	9'	14'
1330030	1 1/2	68736-02	68736-03	8	1	9'4"	14'6"
1330040	2	68736-02	68736-03	8	1	9'4"	14'6"
1330050	3	68736-02	68736-03	8	2	18'6"	15'6"
1330060	4	68736-02	68736-03	8	2	18'6"	15'6"
1330070	5	68736-02	68736-03	8	3	27'6"	15'6"
1330080	6	68736-02	68736-03	8	3	27'6"	15'6"
1330090	8	48156-1	48158-1	8	3	28'6"	17'6"
1330100	10	48156-1	48158-1	8	3	28'6"	17'6"
1330110	12	48156-1	48158-1	8	3	28'6"	17'6"
1330120	16	48156-1	48158-1	8	4	40'6"	17'6"
1330130	20	48156-1	48158-1	8	6	66'	22'
1330140	25	48156-1	48158-1	8	6	66'	22'
1330150	30	48156-1	48158-1	8	8	88'	22'
1330160	40	48156-1	48158-1	8	12	130'	23'6"
1330170	50	48156-1	48158-1	8	12	130'	23'6"

Hoist Chain Specifications

Specifications

Hoist Product No.		Capacity (tons)	Load Chain No.	Hand Chain No.	Standard Lift (ft.)	Chain Parts	Load Chain Length	Hand Chain Length
Aluminum Army Type Trolley Hoists								
1510050	plain	1/2	48151-1	48158-1	8	1	9'	14'
1510090	geared	1/2	48151-1	48158-1	8	1	9'	28'
1510060	plain	1	48151-1	48158-1	8	1	9'	14'
1510100	geared	1	48151-1	48158-1	8	1	9'	28'
1510080	plain	2	48153-1	48158-1	8	1	9'4"	16'
1510120	geared	2	48153-1	48158-1	8	1	9'4"	32'
1510130	plain	3	48153-1	48158-1	8	2	18'4"	16'
1510170	geared	3	48153-1	48158-1	8	2	18'4"	32'
1510140	plain	4	48153-1	48158-1	8	2	18'4"	16'
1510180	geared	4	48153-1	48158-1	8	2	18'4"	32'
1510150	plain	5	48153-1	48158-1	8	3	27'1"	16'
1510190	geared	5	48153-1	48158-1	8	3	27'1"	32'
1510160	plain	6	48153-1	48158-1	8	3	27'1"	16'
1510200	geared	6	48153-1	48158-1	8	3	27'1"	32'
Steel Army Type Trolley Hoists								
1530010	plain	5	68736-02	68736-03	8	2	27'6"	15'6"
1530020	geared	5	68736-02	68736-03	8	2	27'6"	31'
1530030	plain	6	68736-02	68736-03	8	2	27'6"	15'6"
1530040	geared	6	68736-02	68736-03	8	2	27'6"	31'
1500090	plain	8	48156-1	48158-1	8	2	19'6"	17'
1500190	geared	8	48156-1	48158-1	8	2	19'6"	36'3"
1500100	plain	10	48156-1	48158-1	8	2	19'6"	17'
1500200	geared	10	48156-1	48158-1	8	2	19'6"	36'3"
Low Headroom 600 Type Trolley Hoists								
1500210	plain	1/2	48155-1	48158-1	8	2	19'	15'3"
1500350	geared	1/2	48155-1	48158-1	8	2	19'	30'3"
1500220	plain	1	48155-1	48158-1	8	2	19'	15'3"
1500360	geared	1	48155-1	48158-1	8	2	19'	30'3"
1500230	plain	1 1/2	48155-1	48158-1	8	2	19'	15'3"
1500370	geared	1 1/2	48155-1	48158-1	8	2	19'	30'3"
1500240	plain	2	48155-1	48158-1	8	2	19'	15'3"
1500380	geared	2	48155-1	48158-1	8	2	19'	30'3"
1500250	plain	3	48155-1	48158-1	8	2	19'	15'3"
1500390	geared	3	48155-1	48158-1	8	2	19'	30'3"
1500260	plain	4	48155-1	48158-1	8	2	19'	15'3"
1500400	geared	4	48155-1	48158-1	8	2	19'	30'3"
1500270	plain	5	48155-1	48158-1	8	2	21'	15'
1500410	geared	5	48155-1	48158-1	8	2	21'	30'6"
1500280	plain	6	48155-1	48158-1	8	2	21'	15'
1500420	geared	6	48155-1	48158-1	8	2	21'	30'6"
1500290	plain	8	48155-1	48158-1	8	4	38'6"	15'6"
1500430	geared	8	48155-1	48158-1	8	4	38'6"	31'9"
1500300	plain	10	48155-1	48158-1	8	4	38'6"	15'6"
1500440	geared	10	48155-1	48158-1	8	4	38'6"	31'9"
1500310	plain	12	48155-1	48158-1	8	4	41'3"	15'6"
1500450	geared	12	48155-1	48158-1	8	4	41'3"	31'9"
1500320	plain	16	48156-1	48158-1	8	4	41'6"	17'
1500460	geared	16	48156-1	48158-1	8	4	41'6"	17'
1500330	plain	20	48156-1	48158-1	8	6	66'8"	16'6"
1500470	geared	20	48156-1	48158-1	8	6	66'8"	17'6"
1500340	plain	24	48156-1	48158-1	8	6	66'8"	16'6"
1500480	geared	24	48156-1	48158-1	8	6	66'8"	17'6"

Specifications

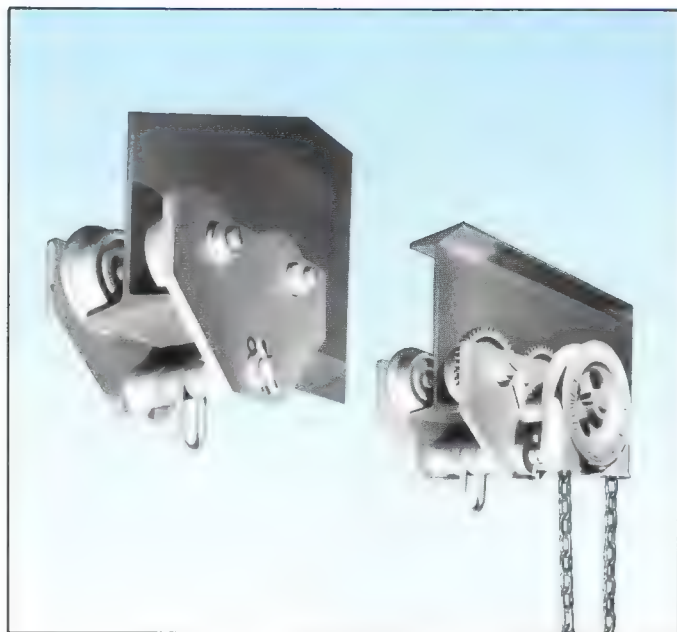
Hoist Product No.	Capacity (tons)	Load Chain No.	Hand Chain No.	Standard Lift (ft.)	Chain Parts	Load Chain Length	Hand Chain Length
Twin Hook Hoist							
1430010	1/2	68736-01	68736-03	8	1	9'	14'
1430020	1	68736-01	68736-03	8	1	9'	14'
1430030	1 1/2	68736-02	68736-03	8	1	9'4"	14'6"
1430040	1	68736-02	68736-03	8	1	7'4"	14'6"
Wright Way Electric Chain Hoists (Hand Chain for Geared Trolley Only)							
2103230	1/4	48152-1	48158-1	10	1	11'6"	31'
2103235	1/4	48152-1	48158-1	15	1	16'6"	41'
2103232	1/4	48152-1	48158-1	20	1	21'6"	51'
2103310	1/2	48152-1	48158-1	10	1	11'6"	31'
2103315	1/2	48152-1	48158-1	15	1	16'6"	41'
2103312	1/2	48152-1	48158-1	20	1	21'6"	51'
2103390	1	48152-1	48158-1	10	1	11'6"	31'
2103395	1	48152-1	48158-1	15	1	16'6"	41'
2103392	1	48152-1	48158-1	20	1	21'6"	51'
2103430	2	48152-1	48158-1	10	2	23'6"	31'
2103435	2	48152-1	48158-1	15	2	33'6"	41'
2103432	2	48152-1	48158-1	20	2	43'6"	51'
Accolift Lever Hoists*							
1120010	3/4	68156-2	—	5	1	5' + 9 links	—
1120020	1 1/2	68156-3	—	5	1	5' + 8 links	—
1120030	3	68156-5	—	5	1	5' + 8 links	—
1120040	5	68156-5	—	5	2	10' + 21 links	—
Accolift Hand Hoists*							
1320010	1/2	68156-1	68156-6	10	1	10' + 13 links	20'
1320020	1	68156-2	68156-6	10	1	10' + 13 links	20'
1320030	2	68156-4	68156-7	10	1	10' + 13 links	20'
1320040	3	68156-3	68156-6	10	2	20' + 27 links	20'
1320050	5	68156-5	68156-7	10	2	20' + 27 links	20'
Accolift Electric Chain Hoists							
2110010	1/4	68243-1	—	10	1	12'7 1/2"	—
2110030	1/2	68243-1	—	10	1	12'7 1/2"	—
2110050	1	68243-1	—	10	1	12'7 1/2"	—
2110070	2	68243-2	—	10	1	13'3.38"	—
2110080	3	68243-2	—	10	1	13'3.38"	—
2110090	5	68243-2	—	10	2	24'3.38"	—

* On Accolift Lever Hoist total number of links must be even. On Accolift Hand Hoist total number of links must be odd.

Trolleys

Plain and Geared Trolleys

Wright Model 80 Trolleys



The Model 80 trolley's compact design provides easy maintenance and long service life in industrial, construction and maintenance applications on bridge cranes and monorails.

The steel side plates adjust for a range of beam flanges and self align for even load distribution. Short wheel base allows curve beam operation. The side plates extend past the wheels as bumpers.

The geared trolley has a cast handwheel, chain guide and operating chain, and two plain and two geared wheels. Geared trolleys precisely spot the load and are recommended for beams over 16 feet above the floor.

Construction Features

Side Frame

Side plates are rolled steel.

Wheels

½ to 2 tons capacity; 4 inch diameter, flanged, dual tread, heat-treated gray iron, will operate on American Standard "S" shape (sloped flange), wide flange "W" shape (flat flange) or patented track 3, 3.25 or 3.33 inch (flat flange) beams.

3 and 4 tons capacity; 5 inch diameter, flanged, forged steel available with tapered tread to operate on American Standard "S" shape (sloped flange) or flat tread to operate on wide flange "W" shape (flat flange) adjustable within ranges shown.

5 to 10 tons capacity; 6 inch diameter, flanged, forged steel available with tapered tread to operate on American Standard "S" shape (sloped flange) or flat tread to operate on wide flange "W" shape (flat flange) adjustable within ranges shown.

Field Assembly

Up to 2 tons, the trolleys are preboxed and can be shipped from stock locations direct to customer's location. Included with trolley are installation instructions detailing easy attachment to customer's hook suspended hoist. Trolley, when ordered with hook suspended hoist, will be shipped separate of the hoist and requires attachment to hoist at jobsite.

Bearings

½ to 2 tons capacity; single row ball bearings, shielded and lifetime lubricated.

3 to 10 tons capacity; two single row ball bearings, shielded and lifetime lubricated.

Handwheel and Chain

The iron handwheel has deep cast pockets to accurately fit the close link, zinc plated hand chain.

Suspension Clevis

½ to 2 tons capacity, formed oval link, 3 to 10 tons capacity; steel, burned from rolled plate with hole to accept hoist hook.

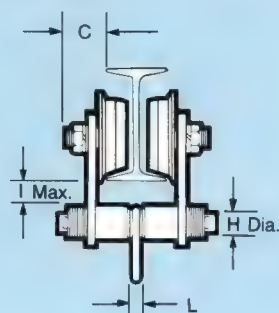
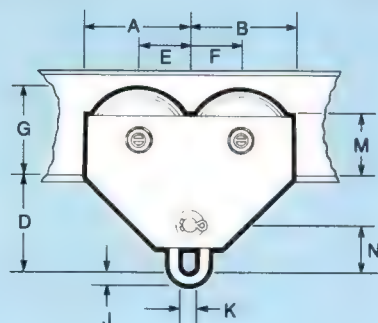
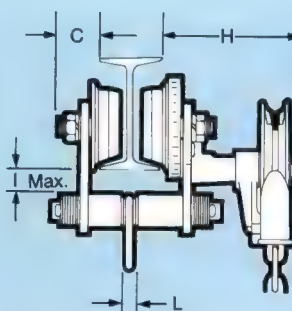
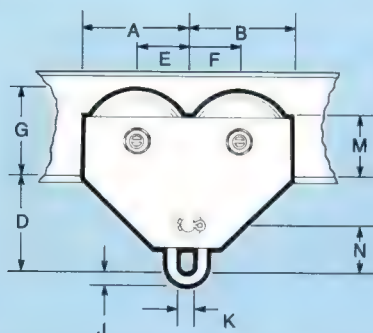
Specifications

Capacity (tons)	Trolley Type	Product Number		Flange Width Range (in.)	Minimum ^a Radius Curve (in.)	Net Weight (lbs.)	Pull ^a to Travel Fully Loaded (lbs.)	Overhaul to Travel One Foot (ft.)	Hand ^a Chain Reach From I Beam (ft.)
		Standard Beam	Wide Flange Beam						
1½ - 1	Model 80 Plain	1610000	1610000	3 - 5½	36	43	30	—	—
		1610010	1610010	4 - 6½		44			
1½ - 2	Model 80 Plain	1610020	1610020	3¼ - 7	36	51	60	—	—
		1610030	1610030	5 - 8½		53			
3 - 4	Model 80 Plain	1610040	1610100	4 - 6½	42	100	120	—	—
		1610050	1610110	6½ - 9		105			
5 - 6	Model 80 Plain	1610060	1610120	4½ - 7½	54	175	180	—	—
		1610070	1610130	7¼ - 9¾		181			
8 - 10	Model 80 Plain	1610080	1610140	5 - 7¼	54	218	240	—	—
		1610090	1610150	7½ - 9¾		225			
1½ - 1	Model 80 Geared	1610160	1610160	3 - 5	36	58	10	3½	8'0"
		1610170	1610170	4¼ - 6		59			
1½ - 2	Model 80 Geared	1610180	1610180	3¼ - 6¾	36	68	20	3½	8'6"
		1610190	1610190	5 - 8		70			
3 - 4	Model 80 Geared	1610200	1610260	4 - 6½	42	131	23	5½	9'3"
		1610210	1610270	6½ - 9		136			
5 - 6	Model 80 Geared	1610220	1610280	4½ - 7½	54	209	35	5¼	9'6"
		1610230	1610290	7¼ - 9¾		215			
8 - 10	Model 80 Geared	1610240	1610300	5 - 7¼	54	261	45	6½	12'3"
		1610250	1610310	7½ - 9¾		268			

^a Hand Chain reach and hand chain pull shown are for maximum capacity in each group.

^b Minimum radius curve shown is for minimum size I beam.

Spark resistant trolleys on application.

Wheel Dia.-0
Model 80 Plain Trolley

Wheel Dia.-0
Model 80 Geared Trolley


Dimensions (Inches)

Capacity (tons)	Trolley Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1/2-1	Model 80 Plain	5 1/2	5 1/2	2 1/4	5 3/8	2 3/4	2 3/4	4 3/8	7/8	1 5/16	3/8	1 1/8	3/8	3 1/4	2 13/16	4
1 1/2-2	Model 80 Plain	5 1/2	5 1/2	2 1/4	6 1/2	2 3/4	2 3/4	4 3/8	1 1/4	1 1/2	1/2	1 3/8	1/2	3 1/4	3 1/2	4
3-4	Model 80 Plain	7	7	3 3/8	7 3/4	3 1/2	3 1/2	5 3/8	1 1/2	1 1/4	1 1/4	2 1/2	3/4	4 3/8	4 1/4	5
5-6	Model 80 Plain	8	8	4 3/4	8 3/4	4	4	6 3/8	1 3/4	1 3/16	1 1/4	2 3/4	7/8	5 3/8	5 1/8	6
8-10	Model 80 Plain	8	8	5	10 5/8	4	4	6 3/8	2	1 1/4	1 3/4	3 1/2	1 1/8	5 3/8	6 1/4	6
1/2-1	Model 80 Geared	5 1/2	5 1/2	2 1/4	5 3/8	2 3/4	2 3/4	4 3/8	7/8	1 5/16	3/8	1 1/8	3/8	3 1/4	2 13/16	4
1 1/2-2	Model 80 Geared	5 1/2	5 1/2	2 1/4	6 1/2	2 3/4	2 3/4	4 3/8	7/8	1 1/2	1/2	1 3/8	1/2	3 1/4	3 1/2	4
3-4	Model 80 Geared	7	7	3 3/8	7 3/4	3 1/2	3 1/2	5 3/8	7/8	1 1/4	1 1/4	2 1/2	3/4	4 3/8	4 1/4	5
5-6	Model 80 Geared	8	8	4 3/4	8 3/4	4	4	6 3/8	7/8	1 3/16	1 1/4	2 3/4	7/8	5 3/8	5 1/8	6
8-10	Model 80 Geared	8	8	5	10 5/8	4	4	6 3/8	8/8	1 1/4	1 3/4	3 1/2	1 1/8	5 3/8	6 1/4	6

Trolleys

Plain and Geared Trolleys

Wright C-TB Trolleys



The simple, rugged design of C-TB trolleys offers the heavy duty dependability needed for applications requiring clevis connection of over 10 ton capacity.

Construction Features

Side Frame

Adjustable steel side plates extend past the wheels as bumpers.

Wheels

Flanged gray iron wheels.

Bearings

Timken tapered roller bearings.

Hand Chain

The electric welded close link coil type hand chain is zinc plated. All links are accurately formed for uniform size and shape to permit proper seating in the handwheel pockets.

Handwheel

The deep pocket, cast iron handwheel is accurately cast to fit the hand chain. The handwheel is provided with a non-fouling hand chain guide.

Specifications

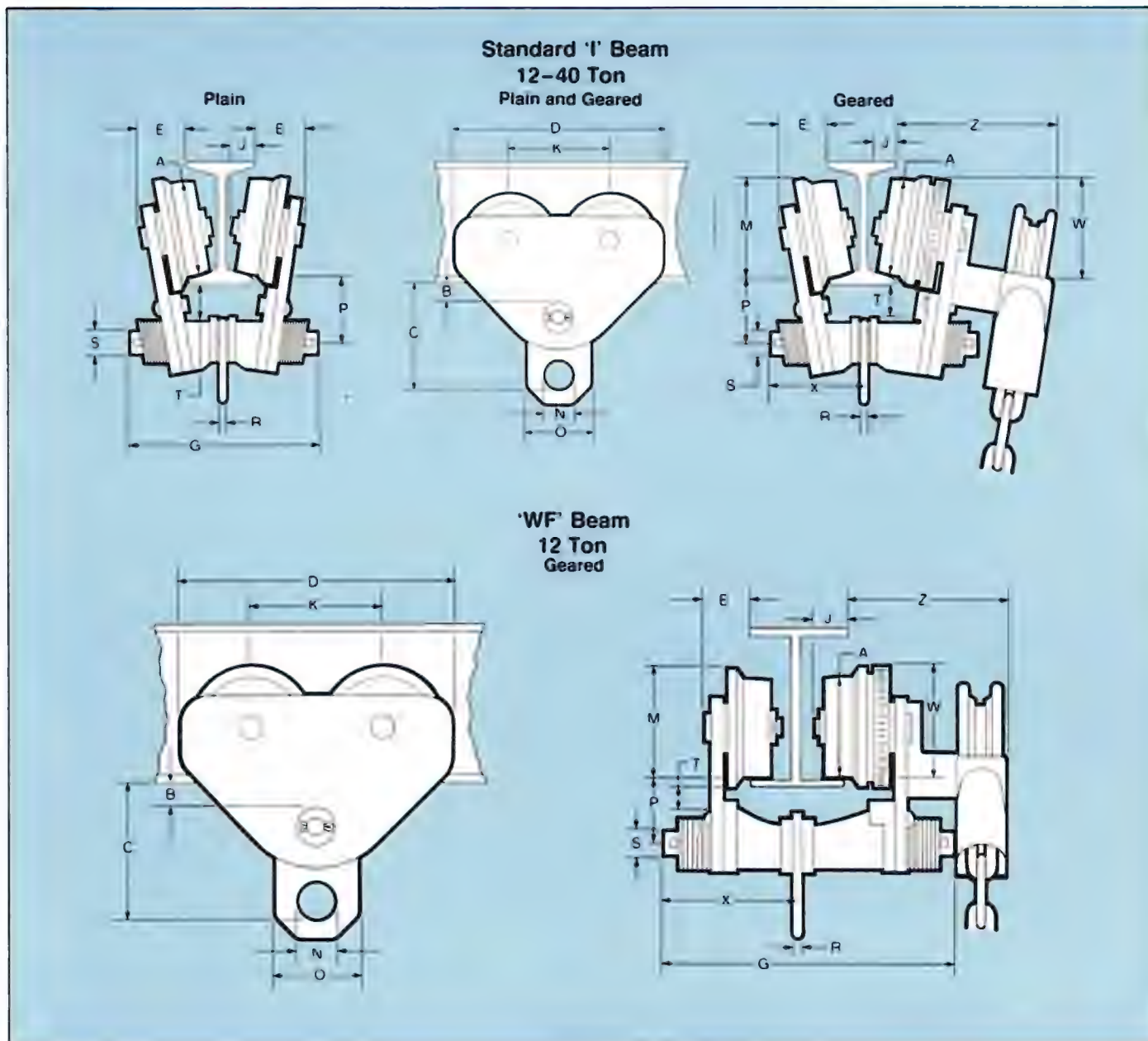
Capacity (tons)		Flange Width Range		Minimum Radius Curve*	Plain Trolley			Geared Trolley			
		Minimum (in.)	Maximum (in.)		Product Number	Push to Move† Fully Loaded	Net Weight	Product Number	Hand Chain Reach (from I Beam)†	Hand† Chain Pull	Net Weight
12	10-24-Std	4 $\frac{5}{8}$	7	42	1600180	91	298	1600240	10'2"	21.5	360
16-20-25	15-24-Std	5 $\frac{1}{2}$	7	48	1600190	173	495	1600250	13'0"	38.4	605
30-40	On Application				1600200	On Application		1600260	On Application		
12	WF ^a	7	9 $\frac{7}{8}$	—	1600400	—	298	1600440	—	—	360

* Minimum radius curve shown is for minimum size I-beam.

† Push, hand chain reach, and hand chain pull shown are for maximum capacity in each group.

^a Minimum beam height is 10".

For trolley to operate on beams with flanges wider than maximum shown, contact factory. All references to beam flange widths are for clearances purposes only and do not imply that lower flange will support hoist with load.



Dimensions (Inches)

Capacity (tons)	Beam Type	A	B*	C	D	E	G		J	K	M	N	O	P	R	S	T	X	Geared	
							Plain	Geared											W	Z
12	Std	8 1/4	1 1/8	11	20	3 1/4	12 3/8	13 3/8	17 1/8	9 3/4	8 3/4	3 1/2	6 1/2	4 13/16	1	2 1/8	1 1/4	6 1/16	8 3/8	8 5/8
16-20-25	Std	12	3 1/4	13 3/8	28	5 3/8	15 1/4	15 1/4	2 1/8	14 1/4	12 1/4	4	7	6 5/16	1 1/4	2 3/4	1 1/8	7 5/8	12 1/4	10
30-40	Std	On Application																		
12	WF	8 1/4	1 1/8	10 3/8	20	2 1/16	16 1/4	17 1/4	2 1/2	9 3/4	8 1/4	3 1/4	6 1/4	4 1/2	1	2 1/4	1 3/16	8 1/4	8 3/8	8

* Minimum clearance for clevis connected hand hoist. Maximum available capacity of clevis connected hand hoist is 16 tons. All reference to beam flange width are for clearance purposes only and do not imply that the lower flange will support hoist with load.

Wright Crane Components

Push-Pull End Trucks

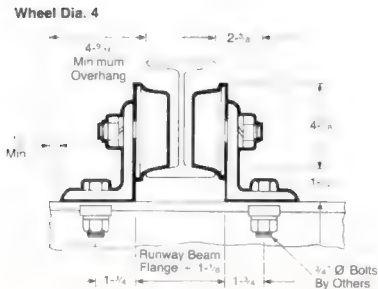
For Underhung Single Girder Cranes



Make your own crane. Designed for light or medium loads, Series 421 Push-Pull End Trucks are the basic component for easy to assemble underhung cranes. Furnished with heat treated gray iron wheels for 2 ton maximum crane capacities with wheel base of 38 inches and spans up to 25 feet.

Wheels are 4" diameter, flanged, dual tread permitting operation on standard "I" beams or flat flange beams and adjustable through a wide range of flange widths. Wheel bearings are single row ball, lifetime lubricated and shielded.

Parts list, crane fabrication instructions and drilling templates are packed with each pair of trucks.

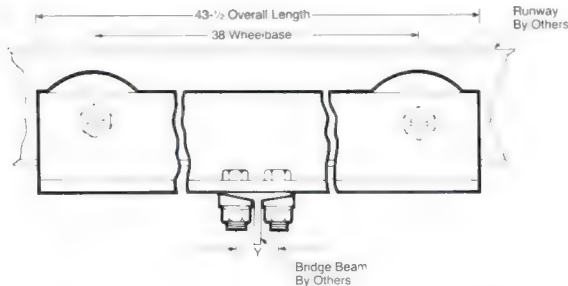


Capacity (tons)	Product Number	Minimum Size Runway Beam	Weight (lbs.)	Maximum Allowable Load on Each Wheel (lbs.)
2	4210010	6	233	1200

For clearance between runway beam and bridge beam, subtract toe of runway beam from 1 1/2" dimension.
All dimensions in inches unless otherwise noted.

Note
There are no warranties which extend beyond the description on the Order Acknowledgement and as it may apply to the specifications provided in this publication. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. Acco shall in no event be liable for any special, direct, indirect, incidental or consequential damages to anyone beyond the cost of replacement of the goods sold hereby.

Warning
Only competent fabrication personnel familiar with standard fabrication practices should be employed to assemble these cranes because of the necessity of properly interpreting these instructions and for the purposes of determining appropriate compatible equipment and product applications. Acco disclaims any responsibility for the quality of workmanship employed in the fabrication of a crane according to these instructions or the sufficiency of the system in which and to which this system or equipment is to be installed or the sufficiency of the system to sustain any particular load that may be imposed upon it. Contact the Acco Products Division at 1110 East Princess Street, York, Pennsylvania 17403 for additional information if necessary.



Crane Fabricating & Clearance Dimensions

Capacity (tons)	Span (ft.)	Recommended Bridge Beams	Y
1	10	6" X 12.5 #	2
	15	8" X 18.4 #	2 1/4
	20	10" X 25.4 #	2 3/4
	25	12" X 31.8 #	3
2	10	8" X 18.4 #	2 1/4
	15	10" X 25.4 #	2 3/4
	20	12" X 31.8 #	3
	25	15" X 42.9 #	3 1/2

No optional equipment.

Hand Operated Hoists

Covers

Impact resistant *Lexan* resin covers are utilized to protect the gearing and load brake. The covers are designed for protection only and do not support bearings. They can be removed easily for inspection and/or maintenance.

Hooks

The hooks are drop forged, heat treated, ductile, alloy steel, and equipped with spring latches. The lower hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360 degrees under capacity load. The top hook is free to rotate for easy attachment to support.

Overload Limit Device

The *Wright* aluminum hand hoist is furnished with a unique overload limiting device as an added measure of protection to the load, hoist and operator. The device is installed at the factory for the capacity of the hoist.

Handwheel

The deep pocketed, aluminum alloy handwheel is accurately cast to fit the links of the hand chain. The handwheel is protected by an impact resistant *Lexan* resin cover providing nonfouling hand chain guides.

Hand Chain

The electric welded close link coil type hand chain is zinc plated. All links are accurately formed for uniform size and shape to permit proper seating in the handwheel pockets.

Load Sheave

The load sheave is of nodular iron with deep cast pockets to fit the links of the load chain. The load sheave is spline fitted to an alloy steel load shaft and it can be reversed for double its service life. The load shaft is supported on antifriction bearings which are lifetime prelubricated. The one piece steel chain guide guards against the chain jamming between the load sheave and hoist during normal usage.

Load Brake

The automatic, cam-actuated, Weston type load brake can hold a capacity load stationary at any position of lift. This brake assures smooth load control with minimal stress and wear. The lining discs are of a uniform composition and require no adjustment for wear during their usable life.

Gear Train

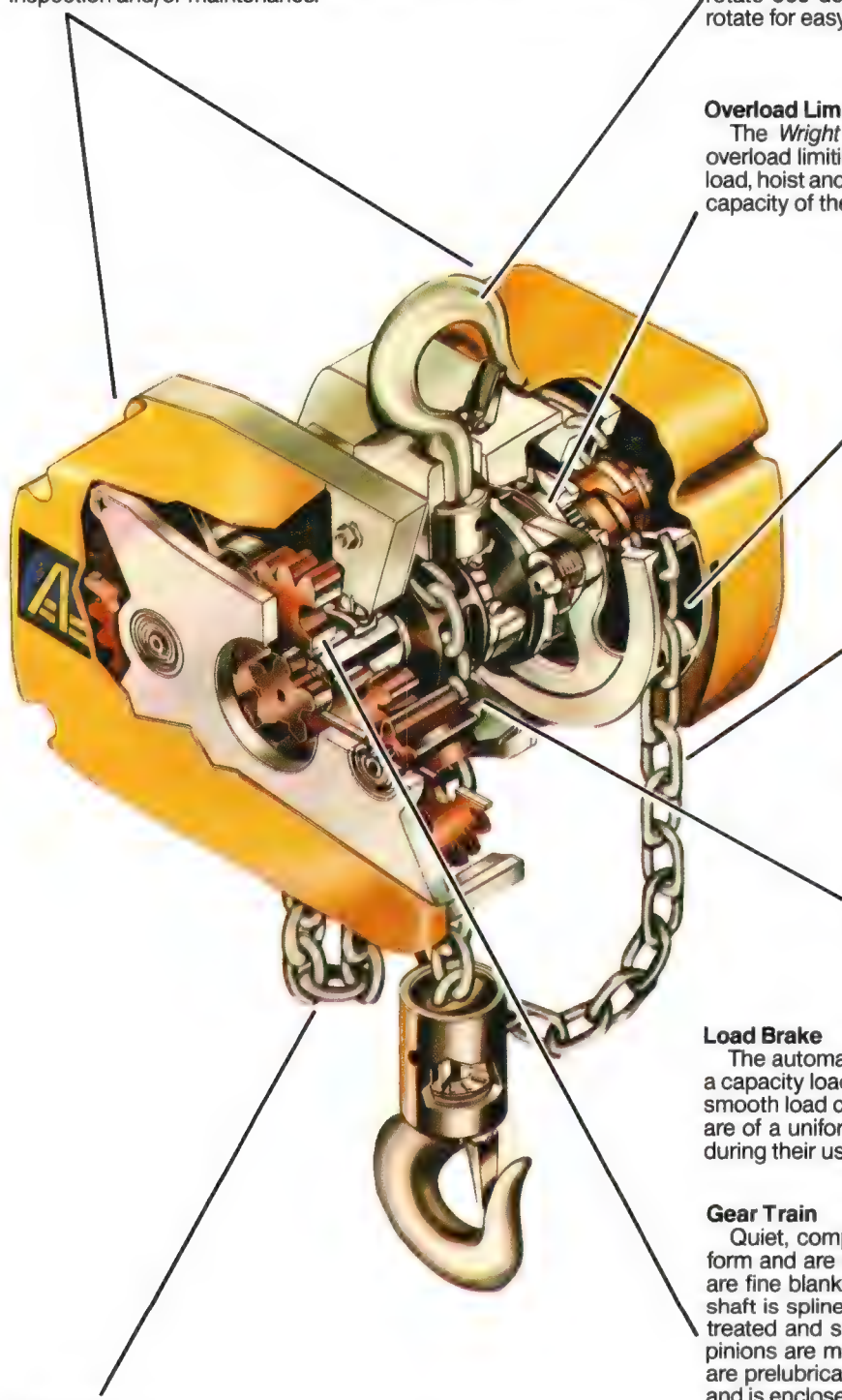
Quiet, compact, spur gears use a modified involute stub tooth form and are enclosed in a grease tight chamber. The load gears are fine blanked in steel and pinions are extruded steel. The load shaft is splined for attachment of load wheel. The gears are heat treated and surface hardened for wear resistance. All gears and pinions are mounted on antifriction bearings and bushings which are prelubricated for life. The gear train operates in a grease pool and is enclosed under a grease tight cover.

Load Chain

The zinc plated load chain is close link coil type, electric welded alloy steel and is heat treated for wear and impact resistance. All links are of uniform size and shape to permit proper seating in the load sheave pockets. The dead end of the chain is securely attached to the hoist in a manner which will permit ease of replacement.

Frame

The lightweight, rugged, one piece frame is a cast, ductile, shock resistant, aluminum alloy.



Motor

Standard NEMA C face, Class F insulation, TENV motors are provided for standard commercial power supplies. The motor has a standard NEMA shaft extension.

Automatic reset thermostats protect both single speed and two speed motor. This complies with applicable NEC requirements and relieves the user from providing motor running overcurrent protection.

Single Speed Motors

Single phase motors are capacitor start, induction-run, and reconnectable for 115 volt or 230 volt, 60 hertz applications rated 15 minute duty with a $\pm 10\%$ voltage variation. Single phase motors are not reconnectable as three phase motors. **Three phase** motors are induction type, reconnectable for 230 volt or 460 volt, 60 hertz power supply, rated at 30 minute duty with $\pm 10\%$ voltage variation.

Two Speed Motors

Two speed, 1800/600 RPM, motors are three phase, induction type, not reconnectable, rated at 30 minute duty with $\pm 10\%$ voltage variation.

Control

Choose from single or two speed. Completely enclosed controls are 3 pole magnetic reversing type, mechanically interlocked with 115 volt control circuit and rated at 600 volts, includes control transformer. Two speed controls are also electrically interlocked. All wiring conforms to applicable NEC and CSA requirements. Housed in a NEMA type 3R enclosure with lightweight, impact resistant Lexan resin cover, deep molded for maximum accessibility.

Overload Cutoff

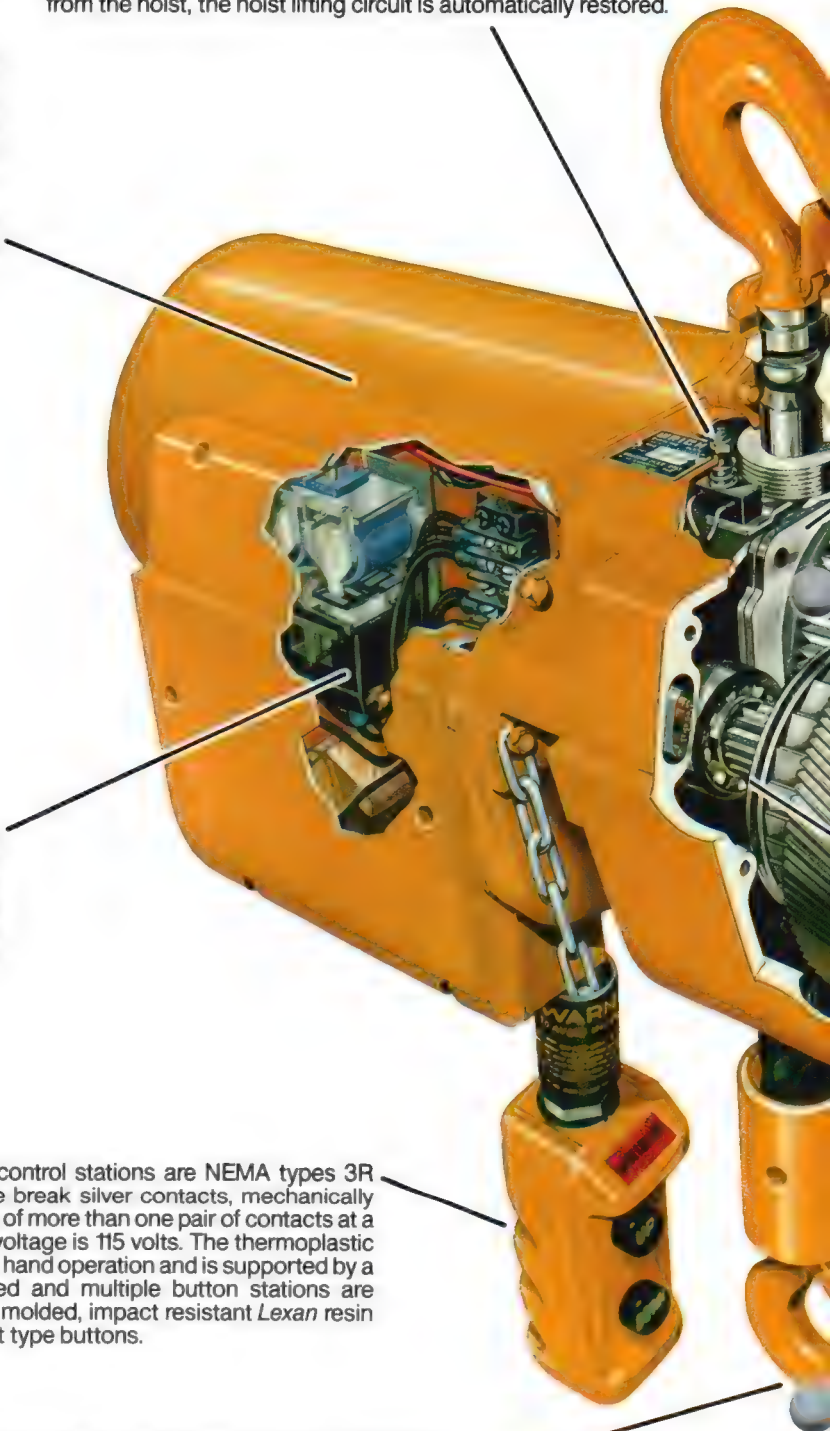
The *Wright* Overload Cutoff is an electro-mechanical device designed to interrupt the hoist lifting circuit if the load it senses exceeds the preset capacity of the cutoff device. When the device interrupts the hoist lifting circuit, the lowering circuit remains intact to allow the hoist load to be lowered and removed. When the excessive overload, that has caused the device to trip, is removed from the hoist, the hoist lifting circuit is automatically restored.

Push Button Station

Two button single speed control stations are NEMA types 3R and 4 enclosure, with double break silver contacts, mechanically interlocked to prevent closing of more than one pair of contacts at a time. Push button operating voltage is 115 volts. The thermoplastic enclosure is designed for one hand operation and is supported by a strain relief chain. Two speed and multiple button stations are NEMA types 3, 3R, 4 and 12, molded, impact resistant Lexan resin units with momentary contact type buttons.

Hooks

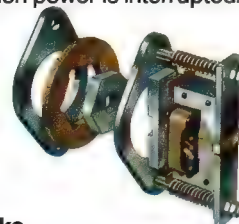
The hooks are drop forged, heat treated, ductile, alloy steel, and equipped with spring latches. The lower hook is supported on a lifetime prelubricated thrust bearing which permits the hook to rotate 360 degrees under capacity load. The top hook is free to rotate for easy attachment to support.



Precision cast, heat treated, alloy steel, 4 pocket for smoother operation and increased chain life.



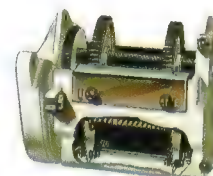
Direct acting, short stroke, AC magnet actuated disc type with a minimum torque rating of 150% of the full load motor torque. Provides accurate spotting and control of the load by quickly stopping the motor when power is interrupted.



Weston type, multiple disc can hold a full capacity load independent of motor brake and can hold the load stationary in any position.



Geared Limit Switch
Interrupts the control circuit to stop the motor and applies the motor brake when hook reaches its upper and/or lower limits of travel. Fully adjustable in both upper and lower directions. Includes reversing circuit to prevent hook overtravel in either direction.



Combination of helical and spur gears, with all contact surfaces hardened for wear resistance and designed in accordance with AGMA standards. All gears and pinion shafts supported on both ends by anti-friction ball bearings. Gears operate in a sealed oil bath.

Close link coil type, electric welded alloy steel, heat treated for wear resistance and ability to withstand impact. All links precisely calibrated for uniform size and shape, free from scale and lamination to permit proper seating in load sheave pockets. Bright finished load chains are embossed with "W" on each link for proper identification. The dead end of the chain is securely attached to the hoist in a manner which will permit ease of replacement.

Electric Chain Hoists

Hook and Lug Suspension

Wright-Way Single and Two Speed Electric Chain Hoists



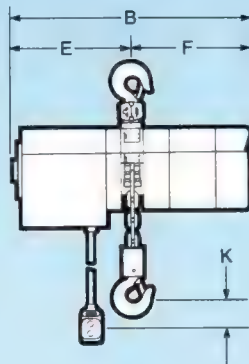
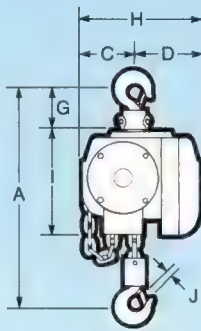
Specification

Single Speed											
Capacity (tons)	Suspension	Lift Sp. (FPM)	Lift (ft.)	Single Phase		Three Phase					Net Wt. (lbs.)
				115/230V	HP	200V	HP	230/460V	HP	575V	HP
1/4	Swivel Hook	16	10	2100940		2100950		2100960		2100970	
			15	2100945	1/2	—	1/2	2100965	1/2	—	1/2
			20	2100942		—		2100962		—	
		32	10	2101020		2101030		2101040		2101050	
			15	2101025	1/2	—	1/2	2101045	1/2	—	1/2
			20	2101022		—		2101042		—	
	Lug	16	10	2100210		2100220		2100230		2100240	
			15	2109215	1/2	—	1/2	2100235	1/2	—	1/2
			20	2100212		—		2100232		—	
		32	10	2100290		2100300		2100310		2100320	
			15	2100295	1/2	—	1/2	2100315	1/2	—	1/2
			20	2100292		—		2100312		—	
1/2	Swivel Hook	8	10	2105700		2105710		2105720		2105730	
			15	2105740	1/4	—	1/4	2105750	1/4	—	1/4
			20	2105760		—		2105770		—	
		16	10	2101180		2101190		2101200		2101210	
			15	2101185	1/2	—	1/2	2101205	1/2	—	1/2
			20	2101182		—		2101202		—	
		32	10	2101260		2101270		2101280		2101290	
			15	2101265	1	—	1	2101285	1	—	1
			20	2101262		—		2101282		—	
	Lug	8	10	2105780		2105790		2105800		2105810	
			15	2105820	1/4	—	1/4	2105830	1/4	—	1/4
			20	2105840		—		2105850		—	
		16	10	2100450		2100460		2100470		2100480	
			15	2100455	1/2	—	1/2	2100475	1/2	—	1/2
			20	2100452		—		2100472		—	
		32	10	2100530		2100540		2100550		2100560	
			15	2100535	1	—	1	2100555	1	—	1
			20	2100532		—		2100552		—	
	Swivel Hook	8	10	2105860		2105870		2105880		2105890	
			15	2105900	1/2	—	1/2	2105910	1/2	—	1/2
			20	2105920		—		2105930		—	
		16	10	2101340		2101350		2101360		2101370	
			15	2101345	1	—	1	2101365	1	—	1
			20	2101342		—		2101362		—	
	Lug	8	10	2105940		2105950		2105960		2105970	
			15	2105980	1/2	—	1/2	2105990	1/2	—	1/2
			20	2106000		—		2106010		—	
		16	10	2100610		2100620		2100630		2100640	
			15	2100615	1	—	1	2100635	1	—	1
			20	2100612		—		2100632		—	
2	Swivel Hook	8	10	2101420		2101430		2101440		2101450	
			15	2101425		—		2101445		—	
			20	2101422		—		2101442		—	
		16	10	2100690		2100700		2100710		2100720	
			15	2100695	1	—	1	2100715	1	—	1
			20	2100692		—		2100712		—	
	Lug	8	10	2100690		2100700		2100710		2100720	
			15	2100695	1	—	1	2100715	1	—	1
			20	2100692		—		2100712		—	
			10	2100690		2100700		2100710		2100720	

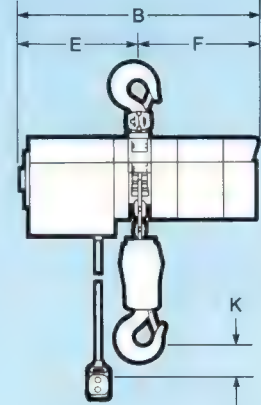
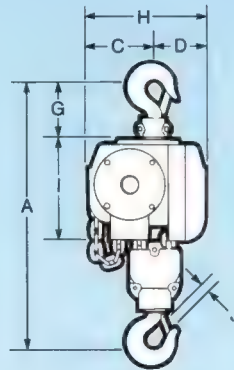
Two Speed

					230V		460V		575V		Net Wt. (lbs.)
1/4	Swivel Hook	16-5	10		2104450		2104620		2104460		135
		32-11			2104480	1/2 - 1/6	2104630	1/2 - 1/6	2104490	1 - 1/3	
	Lug	16-5	10		2104690		2104860		2104700		135
		32-11			2104720		2104870		2104730		
1/2	Swivel Hook	16-5	10		2104510	1/2 - 1/6	2104640	1/2 - 1/6	2104520		135
		32-11			2104540	1 - 1/3	2104650	1 - 1/3	2104550	1 - 1/3	
		16-5			2104750	1/2 - 1/6	2104880	1/2 - 1/6	2104760		
	Lug	32-11	10		2104780	1 - 1/3	2104890	1 - 1/2	2104790		135
		16-5			2104570	1 - 1/3	2104660	1 - 1/3	2104580	1 - 1/3	
		32-11			2104810		2104900		2104820		
1	Swivel Hook	16-5	10		2104600	1 - 1/3	2104670	1 - 1/3	2104610	1 - 1/3	155
2	Lug	8-3	10		2104840	1 - 1/3	2104910	1 - 1/3	2104850	1 - 1/3	170

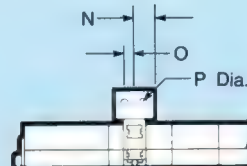
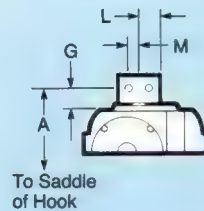
**1/4, 1/2, 1 Ton
Hook**



**2 Ton
Hook**



**1/4, 1/2, 1, 2 Ton
Lug**



Dimensions (Inches)

Capacity (tons)	Suspension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1/4	Hook	19 5/8	22 5/8	4 5/8	6	12 1/8	10 1/2	5 1/8	10 5/8	9 3/8	1 1/8	6'6"	—	—	—	—	—
	Lug	15 7/8	—	—	—	—	—	1 7/8	—	—	—	—	1 13/16	7/8	1 13/16	7/8	15 1/16
1/2	Hook	19 5/8	22 5/8	4 5/8	6	12 1/8	10 1/2	5 1/8	10 5/8	9 3/8	1 1/8	6'6"	—	—	—	—	—
	Lug	15 7/8	—	—	—	—	—	1 7/8	—	—	—	—	1 13/16	7/8	1 13/16	7/8	15 1/16
1	Hook	19 5/8	22 5/8	4 5/8	6	12 1/8	10 1/2	5 1/8	10 5/8	9 3/8	1 1/8	6'6"	—	—	—	—	—
	Lug	15 7/8	—	—	—	—	—	1 7/8	—	—	—	—	1 13/16	7/8	1 13/16	7/8	15 1/16
2	Hook	24 1/2	22 5/8	6	4 5/8	12 1/8	10 1/2	5 5/8	10 5/8	9 3/8	1 5/16	6'6"	—	—	—	—	—
	Lug	20 1/4	—	—	—	—	—	1 7/8	—	—	—	—	1 13/16	7/8	1 13/16	7/8	15 1/16

Electric Chain Hoists

Plain, Geared, and Motorized Trolley Suspension

Wright-Way Electric Chain Hoists



Specifications

Single Speed												
Capacity (tons)	Trolley Type	Lifting Speed (FPM)	Lift* (ft.)	Single Phase		Three Phase						Net Weight (lbs.)
				115/230V	HP	200V	HP	230/460V	HP	575V	HP	
1/4	Plain	16	10	2102990	1/2	2103000	1/2	2103010	1/2	2103020	1/2	150
		32	10	2103030		2103040		2103050		2103060		170
	Geared	16	10	2103230	1/2	2103240	1/2	2103250	1/2	2103260	1/2	165
		32	10	2103270		2103280		2103290		2103300		185
	Motorized	16	10	2103470	1/2	2103480	1/2	2103490	1/2	2103500	1/2	190
		32	10	2103510		2103520		2103530		2103540		210
1/2	Plain	8	10	2105460	1/4	2105470	1/4	2105480	1/4	2105490	1/4	140
		16	10	2103070	1/2	2103080	1/2	2103090	1/2	2103100	1/2	150
		32	10	2103110	1	2103120	1	2103130	1	2103140	1	170
	Geared	8	10	2105500	1/4	2105510	1/4	2105520	1/4	2105530	1/4	155
		16	10	2103310	1/2	2103320	1/2	2103330	1/2	2103340	1/2	165
		32	10	2103350	1	2103360	1	2103370	1	2103380	1	185
	Motorized	8	10	2105540	1/4	2105550	1/4	2105560	1/4	2105570	1/4	180
		16	10	2103550	1/2	2103560	1/2	2103570	1/2	2103580	1/2	190
		32	10	2103590	1	2103600	1	2103610	1	2103620	1	210
		8	10	2105580	1/2	2105590	1/2	2105600	1/2	2105610	1/2	160
1	Plain	16	10	2103150	1	2103160	1	2103170	1	2103180	1	170
		8	10	2105620	1/2	2105630	1/2	2105640	1/2	2105650	1/2	175
	Geared	16	10	2103390	1	2103400	1	2103410	1	2103420	1	185
		8	10	2105660	1/2	2105670	1/2	2105680	1/2	2105690	1/2	200
	Motorized	16	10	2103630	1	2103640	1	2103650	1	2103660	1	210
		8	10	2103190	1	2103200	1	2103210	1	2103220	1	210
Geared	8	2103430		2103440		2103450		2103460		225		
Motorized	8	2103670		2103680		2103690		2103700		250		
2	Plain	8	10	2103190	1	2103200	1	2103210	1	2103220	1	210
	Geared	8		2103430		2103440		2103450		2103460		225
	Motorized	8		2103670		2103680		2103690		2103700		250

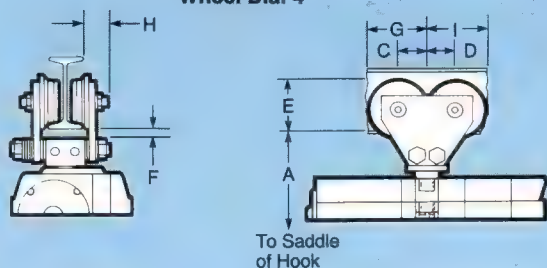
^a Standard 115/230V single phase and 230/460V three phase models are also available in 15 and 20 ft. lift lengths.

Specifications

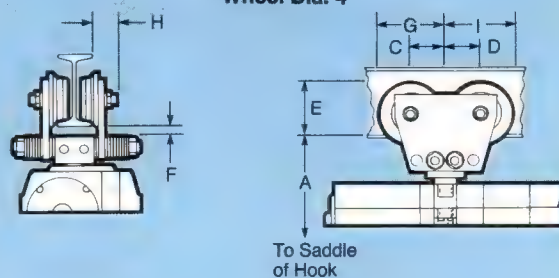
Two Speed												
Capacity (tons)	Trolley Type	Lifting Speed (FPM)	Lift (ft.)	Three Phase						Net Weight (lbs.)		
				230V	HP	460V	HP	575V	HP			
1/4	Plain	16-5	10	2104920	1/2 - 1/6	2104930	1/2 - 1/6	2104940	1 - 1/3	165		
		32-11		2104950		2104960		2104970				
	Geared	16-5		2104980		2104990		2105000				
		32-11		2105010		2105020		2105030				
	Motorized	16-5		2105040		2105050		2105060				
		32-11		2105070		2105080		2105090				
1/2	Plain	16-5	10	2105100	1/2 - 1/6	2105110	1/2 - 1/6	2105120	1 - 1/3	165		
		32-11		2105130	1 - 1/3	2105140	1 - 1/3	2105150		185		
	Geared	16-5		2105160	1/2 - 1/6	2105170	1/2 - 1/6	2105180		180		
		32-11		2105190	1 - 1/3	2105200	1 - 1/3	2105210		200		
	Motorized	16-5		2105220	1/2 - 1/6	2105230	1/2 - 1/6	2105240		205		
		32-11		2105250	1 - 1/3	2105260	1 - 1/3	2105270		225		
	1	Plain		16-5	10	2105280	1 - 1/3	2105290		1 - 1/3	2105300	185
		Geared		16-5		2105310		2105320			2105330	200
Motorized		16-5	2105340	2105350		2105360		225				
2	Plain	8-5	10	2105370	1 - 1/3	2105380	1 - 1/3	2105390	225			
	Geared	8-3		2105400		2105410		2105420	240			
	Motorized	8-5		2105430		2105440		2105450	265			

Two speed hoists have 3 to 1 ratio.

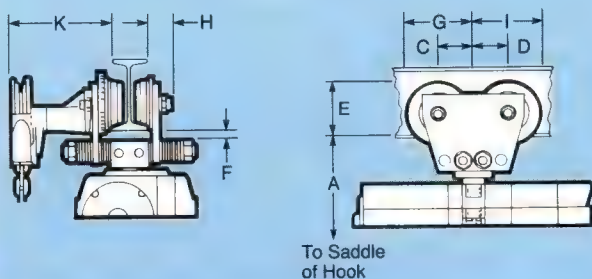
Plain Trolley
Pressed Steel Wheels
1/4, 1/2, 1 Ton
Wheel Dia. 4



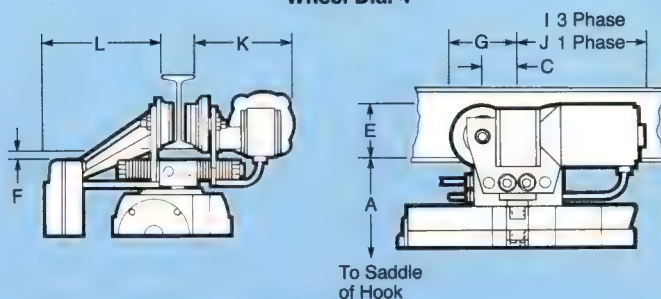
Plain Trolley
Gray Iron Wheels
2 Ton
Wheel Dia. 4



Geared Trolley
1/4, 1/2, 1, 2 Ton
Wheel Dia. 4



Motorized Trolley
1/4, 1/2, 1, 2 Ton
Wheel Dia. 4



Dimensions (Inches)

Capacity (tons)	Trolley Type	A	C	D	E	F	G	H	I	J	K	L
1/4	Plain	17 7/8	2 1/2	2 1/2	5	3/4	5	2 1/4	5	—	—	—
	Geared	18 1/8	3 1/4	3 1/4	4 3/4	1	6	2 1/4	6	—	9	—
	Motorized	18 1/8	3 1/4	—	5 3/8	1	6	—	11 3/4	12 5/8	9 1/8	11 3/4
1/2	Plain	17 7/8	2 1/2	2 1/2	5	3/4	5	2 1/4	5	—	—	—
	Geared	18 1/8	3 1/4	3 1/4	4 3/4	1	6	2 1/4	6	—	9	—
	Motorized	18 1/8	3 1/4	—	5 3/8	1	6	—	11 3/4	12 5/8	9 1/8	11 3/4
1	Plain	17 7/8	2 1/2	2 1/2	5	3/4	5	2 1/4	5	—	—	—
	Geared	18 1/8	3 1/4	3 1/4	4 3/4	1	6	2 1/4	6	—	9	—
	Motorized	18 1/8	3 1/4	—	5 3/8	1	6	—	11 3/4	12 5/8	9 1/8	11 3/4
2	Plain	22 1/2	3 1/4	3 1/4	4 3/4	1	5 5/8	2 1/4	5 5/8	—	—	—
	Geared	22 1/2	3 1/4	3 1/4	4 3/4	1	6	2 1/4	6	—	9	—
	Motorized	22 1/2	3 1/4	—	5 3/8	1	6	—	11 3/4	12 5/8	9 1/8	11 3/4

Electric Wire Rope Hoists

Standard Headroom Lug Suspension

Wright-Way Single and Two Speed Electric Wire Rope Hoists

2 Part and 4 Part Single Reeving — 1/4"



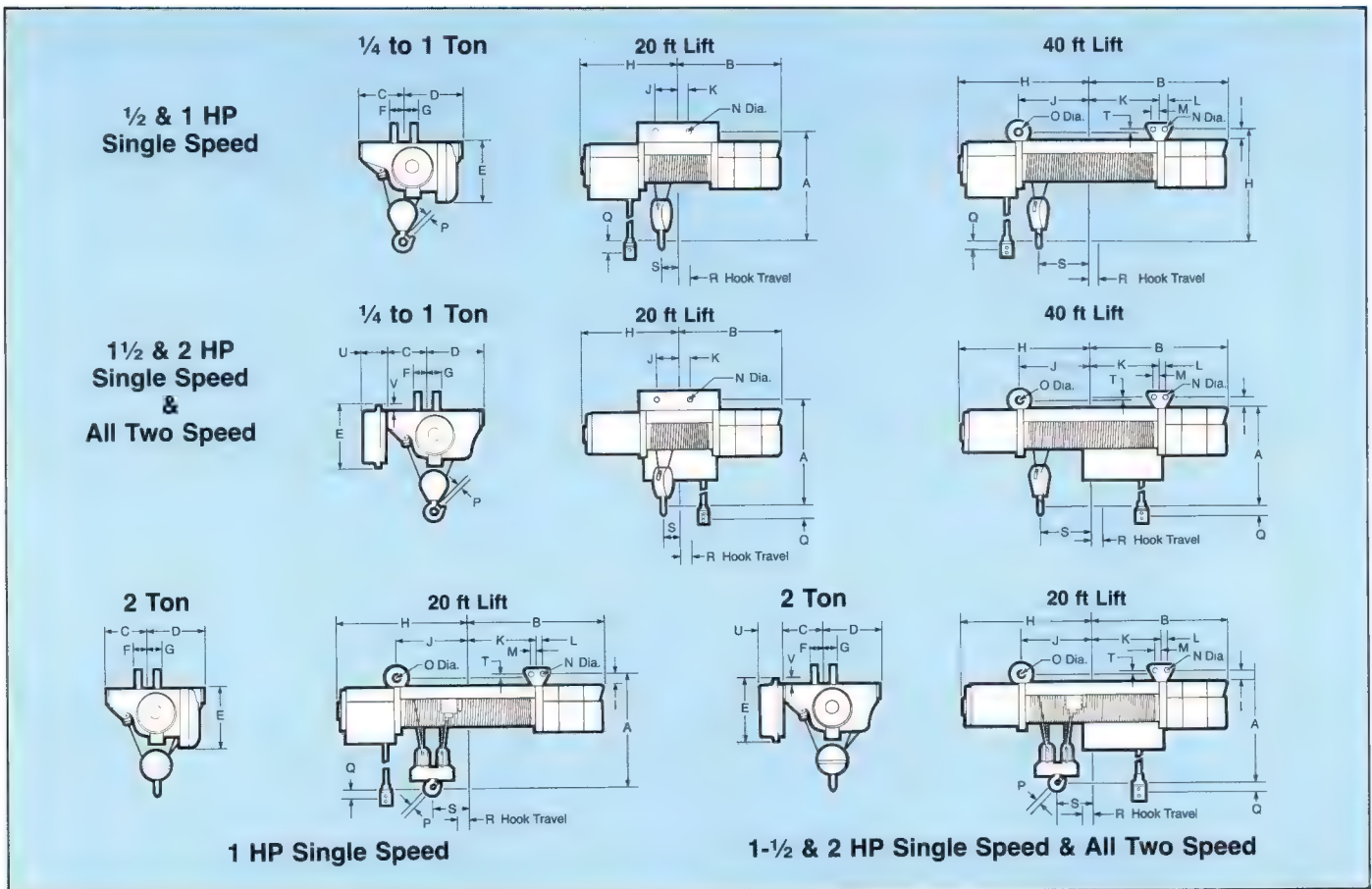
For general purposes where headroom and lateral hook travel are not a concern.

Features

Wire rope is flexible, preformed aircraft grade steel. Drum is fabricated steel construction, grooved for full lift. Large drum-to-cable and sheave-to-cable ratios reduce wear and cable fatigue. Overload cutoff unit protects load, hoist and operator by interrupting raising circuit when hoist is excessively overloaded.

Specifications

Capacity (tons)	Lift (ft.)	Lifting Speed (FPM)	Single Speed					Two Speed				Net Weight (lbs.)
			Single Phase	Three Phase				Three Phase				
				115/230V	200V	230/460V	575V	HP	230V	460V	575V	
1/4	20	16	2207690	2207700	2207710	2207720	1/2	2207740	2207750	2207760	1/2 - 1/6	250
		24	2207770	2207780	2207790	2207800	1/2	2207820	2207830	2207840	1/2 - 1/6	
		30	2207850	2207860	2207870	2207880	1	2207900	2207910	2207920	1 - 1/3	
		44	2207930	2207940	2207950	2207960	1	2207980	2207990	2208000	1 - 1/3	
	40	16	2209120	2208010	2208020	2208030	1/2	2208050	2208060	2208070	1/2 - 1/6	270
		24	2208080	2208090	2208100	2208110	1/2	2208130	2208140	2208150	1/2 - 1/6	
30		2208160	2208170	2208180	2208190	1	2208210	2208220	2208330	1 - 1/3		
1/2	20	44	2208240	2208250	2208260	2208270	1	2208290	2208300	2208310	1 - 1/3	250
		16	2208320	2208330	2208340	2208350	1/2	2208370	2208380	2208390	1/2 - 1/6	
		24	2208400	2208410	2208420	2208430	1	2208450	2208460	2208470	1 - 1/3	
		30	2208480	2208490	2208500	2208510	1	2208530	2208540	2208560	1 - 1/3	
	40	44	—	2208560	2208570	2208580	1 1/2	2208600	2208610	2208620	1 1/2 - 1/2	270
		16	2208630	2208640	2208650	2208660	1/2	2208680	2208690	2208700	1/2 - 1/6	
		24	2208710	2208720	2208730	2208740	1	2208760	2208770	2208780	1 - 1/3	
		30	2208790	2208800	2208810	2208820	1	2208840	2208850	2208860	1 - 1/3	
1	20	44	—	2208870	2208880	2208890	1 1/2	2208910	2208920	2208930	1 1/2 - 1/2	250
		16	2208940	2208950	2208960	2208970	1	2208990	2209000	2209010	1 - 1/3	
		24	—	2209020	2209030	2209040	1 1/2	2209060	2209070	2209080	1 1/2 - 1/2	
	40	30	—	2209090	2209100	2209110	2	—	—	—	—	270
		16	2209160	2209170	2209180	2209190	1	2209210	2209220	2209230	1 - 1/3	
		24	—	2209240	2209250	2209260	1 1/2	2209280	2209290	2209300	1 1/2 - 1/2	
2	20	30	—	2209310	2209320	2209330	2	—	—	—	—	280
		8	2209380	2209390	2209400	2209410	1	2209430	2209440	2209450	1 - 1/3	
		12	—	2209460	2209470	2209480	1 1/2	2209500	2209510	2209520	1 1/2 - 1/2	
	15	—	2209530	2209540	2209550	2	—	—	—	—		



Dimensions (Inches)

Capacity (tons)	Lift (ft.)	Speed	HP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1/4 - 1	20	SS	1/2	21 1/8	16 1/4	7	9	8 3/4	11 3/16	11 3/16	17 3/8	—	3 3/4	1 1/2	—	—	15 1/16	—	15 1/16	16'6"	7/8	3 7/8	—	—	—
			1 1/2	21 1/8	16 1/4	7	9	11 1/2	11 3/16	11 3/16	17 3/8	—	3 3/4	1 1/2	—	—	15 1/16	—	15 1/16	16'6"	7/8	3 7/8	—	8 1/8	1/4
		2S	1/2 - 1/6	21 1/8	16 1/4	7	9	11 1/2	11 3/16	11 3/16	17 3/8	—	3 3/4	1 1/2	—	—	15 1/16	—	15 1/16	16'6"	7/8	3 7/8	—	8 1/8	1/4
			1 - 1/3	21 1/8	16 1/4	7	9	11 1/2	11 3/16	11 3/16	17 3/8	—	3 3/4	1 1/2	—	—	15 1/16	—	15 1/16	16'6"	7/8	3 7/8	—	8 1/8	1/4
	40	SS	1/2	22	21 1/8	7	9	8 3/4	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	15 1/16	36'6"	1 1/4	8 1/2	5/8	—	—
			1 1/2	22	21 1/8	7	9	11 1/2	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	15 1/16	36'6"	1 1/4	8 1/2	5/8	8 1/8	1/4
		2S	1/2 - 1/6	22	21 1/8	7	9	11 1/2	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	15 1/16	36'6"	1 1/4	8 1/2	5/8	8 1/8	1/4
			1 - 1/3	22	21 1/8	7	9	11 1/2	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	15 1/16	36'6"	1 1/4	8 1/2	5/8	8 1/8	1/4
2	20	SS	1	21 1/8	21 1/8	7	9	8 3/4	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	1 1/8	16'6"	1 3/4	6 1/2	5/8	—	—
			1 1/2	21 1/8	21 1/8	7	9	11 1/2	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	1 1/8	16'6"	1 3/4	6 1/2	5/8	8 1/8	1/4
		2S	1/2 - 1/6	21 1/8	21 1/8	7	9	11 1/2	11 3/16	11 3/16	22 1/4	2 1/4	11 3/16	11 3/16	7/8	7/8	15 1/16	17 1/16	1 1/8	16'6"	1 3/4	6 1/2	5/8	8 1/8	1/4

Two speed hoists are 3 to 1 speed ratio.
 15 Ft. power cord less power plugs is furnished — 4-conductor #14 for 3-phase, and 3-conductor #14 for single phase.
 Push button station drop is 3'6" above lowest hook position.
 When ordering specify **product number, power supply and trolley beam size.**

Electric Wire Rope Hoists

Standard Headroom Plain and Geared Trolley Suspension

Wright-Way Single and Two Speed Electric Wire Rope Hoists

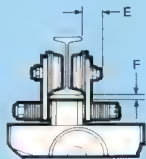
2 Part and 4 Part Single Reeving — 1/4"

Specifications

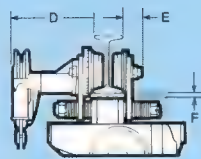
Capacity (tons)	Trolley Type	Lift (ft.)	Lifting Speed (FPM)	Single Speed					Two Speed				Net Weight (lbs.)
				Single Phase	Three Phase				Three Phase				
					115/230 V	200 V	230/460 V	575 V	HP	230 V	460 V	575 V	
1/4	Plain	20	16	2209560	2209570	2209580	2209590	1/2	2209610	2209620	2209630	1/2 - 1/6	305
			24	2209640	2209650	2209660	2209670	1/2	2209690	2209700	2209710	1/2 - 1/6	
			30	2209720	2209730	2209740	2209750	1	2209770	2209780	2209790	1 - 1/3	
			44	2209800	2209810	2209820	2209830	1	2209850	2209860	2209870	1 - 1/3	
		40	16	2209880	2209890	2209900	2209910	1/2	2209930	2209940	2209950	1/2 - 1/6	325
			24	2209960	2209970	2209980	2209990	1/2	2210010	2210020	2210030	1/2 - 1/6	
			30	2210040	2210050	2210060	2210070	1	2210090	2210100	2210110	1 - 1/3	
			44	2210120	2210130	2210140	2210150	1	2210170	2210180	2210190	1 - 1/3	
	Geared	20	16	2211440	2211450	2211460	2211470	1/2	2211490	2211500	2211510	1/2 - 1/6	320
			24	2211520	2211530	2211540	2211550	1/2	2211570	2211580	2211590	1/2 - 1/6	
			30	2211600	2211610	2211620	2211630	1	2211650	2211660	2211670	1 - 1/3	
			44	2211680	2211690	2211700	2211710	1	2211730	2211740	2211750	1 - 1/3	
40	16	2211760	2211770	2211780	2211790	1/2	2211810	2211820	2211830	1/2 - 1/6	340		
	24	2211840	2211850	2211860	2211870	1/2	2211890	2211900	2211910	1/2 - 1/6			
	30	2211920	2211930	2211940	2211950	1	2211970	2211980	2211990	1 - 1/3			
	44	2212000	2212010	2212020	2212030	1	2212050	2212060	2212070	1 - 1/3			
1/2	Plain	20	16	2210200	2210210	2210220	2210230	1/2	2210250	2210260	2210270	1/2 - 1/6	305
			24	2210280	2210290	2210300	2210310	1	2210330	2210340	2210350	1 - 1/3	
			30	2210360	2210370	2210380	2210390	1	2210410	2210420	2210430	1 - 1/3	
			44	—	2210440	2210450	2210460	1 1/2	2210480	2210490	2210500	1 1/2 - 1/2	
		40	16	2210510	2210520	2210530	2210540	1/2	2210560	2210570	2210580	1/2 - 1/6	325
			24	2210590	2210600	2210610	2210620	1	2210640	2210650	2210660	1 - 1/3	
			30	2210670	2210680	2210690	2210700	1	2210720	2210730	2210740	1 - 1/3	
			44	—	2210750	2210760	2210770	1 1/2	2210790	2210800	2210810	1 1/2 - 1/2	
	Geared	20	16	2212080	2212090	2212100	2212110	1/2	2212130	2212140	2212150	1/2 - 1/6	320
			24	2212160	2212170	2212180	2212190	1	2212210	2212220	2212230	1 - 1/3	
			30	2212240	2212250	2212260	2212270	1	2212290	2212300	2212310	1 - 1/3	
			44	—	2212320	2212330	2212340	1 1/2	2212360	2212370	2212380	1 1/2 - 1/2	
40	16	2212390	2212400	2212410	2212420	1/2	2212440	2212450	2212460	1/2 - 1/6	340		
	24	2212470	2212480	2212490	2212500	1	2212520	2212530	2212540	1 - 1/3			
	30	2212550	2212560	2212570	2212580	1	2212600	2212610	2212620	1 - 1/3			
	44	—	2212630	2212640	2212650	1 1/2	2212670	2212680	2212690	1 1/2 - 1/2			
1	Plain	20	16	2210820	2210830	2210840	2210850	1	2210870	2210880	2210890	1 - 1/3	305
			24	—	2210900	2210910	2210920	1 1/2	2210940	2210950	2210960	1 1/2 - 1/2	
			30	—	2210970	2210980	2210990	2	—	—	—	—	
		40	16	2211040	2211050	2211060	2211070	1	2211090	2211100	2211110	1 - 1/3	325
			24	—	2211120	2211130	2211140	1 1/2	2211160	2211170	2211180	1 1/2 - 1/2	
			30	—	2211190	2211200	2211210	2	—	—	—	—	
	Geared	20	16	2212700	2212710	2212720	2212730	1	2212750	2212760	2212770	1 - 1/3	320
			24	—	2212780	2212790	2212800	1 1/2	2212820	2212830	2212840	1 1/2 - 1/2	
			30	—	2212850	2212860	2212870	2	—	—	—	—	
		40	16	2212920	2212930	2212940	2212950	1	2212970	2212980	2212990	1 - 1/3	340
			24	—	2213000	2213010	2213020	1 1/2	2213040	2213050	2213060	1 1/2 - 1/2	
			30	—	2213070	2213080	2213090	2	—	—	—	—	
2	Plain	20	8	2211260	2211270	2211280	2211290	1	2211310	2211320	2211330	1 - 1/3	335
			12	—	2211340	2211350	2211360	1 1/2	2211380	2211390	2211400	1 1/2 - 1/2	
			15	—	2211410	2211420	2211430	2	—	—	—	—	
	Geared	20	8	2213140	2213150	2213160	2213170	1	2213190	2213200	2213210	1 - 1/3	350
			12	—	2213220	2213230	2213240	1 1/2	2213260	2213270	2213280	1 1/2 - 1/2	
15	—	2213290	2213300	2213310	2	—	—	—	—				

Wheel Dia. 4"

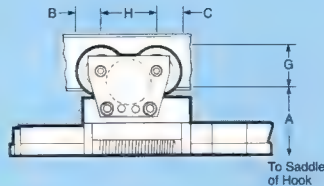
½ & 1 HP Single Speed Models
¼, ½, 1 Ton
20 ft



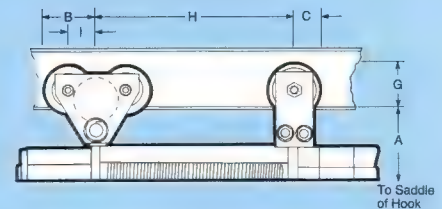
Plain



Geared



36" Min. Radius Curve

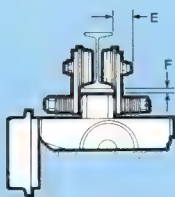


Straight track trolley

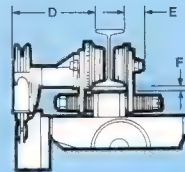
Plain or Geared Trolley

40 ft (2 Ton-20 ft)

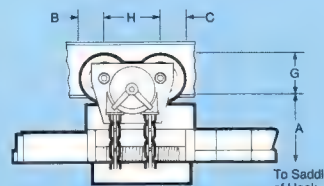
**1½ & 2 HP Single Speed Models and
All Two Speed Models**
¼, ½, 1 Ton
20 ft



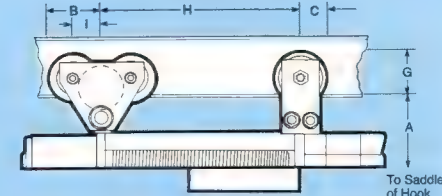
Plain



Geared
Hand chain on
opposite side
20ft lift only



36" Min. Radius Curve



Straight track trolley

Plain or Geared Trolley

40 ft (2 Ton-20 ft)

Dimensions (Inches)

Capacity (tons)	Lift (ft.)	Speed	HP	A	B	C	D	E	F	G	H	I
1/4 - 1	20	SS	1/2 1	23 3/8	2 3/4	2 3/4	9	2 1/4	1	4 3/4	6 1/2	—
			1 1/2 2	23 3/8	2 3/4	2 3/4	9	2 1/4	1	4 3/4	6 1/2	—
		2S	1/2 - 1/6 1 - 1/3 1 1/2 - 1/2	23 3/8	2 3/4	2 3/4	9	2 1/4	1	4 3/4	6 1/2	—
	40	SS	1/2 1	24 1/4	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4
			1 1/2 2	24 1/4	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4
		2S	1/2 - 1/6 1 - 1/3 1 1/2 - 1/2	24 1/4	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4
2	20	SS	1/2 1	23 3/8	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4
			1 1/2 2	23 3/8	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4
		2S	1/2 - 1/6 1 - 1/3 1 1/2 - 1/2	23 3/8	6	2 3/8	9	2 1/4	1	4 3/4	22 3/8	3 1/4

Two speed hoists are 3 to 1 speed ratio.
15 Ft. power cord less power plugs is furnished — 4 conductor #14 for 3-phase, and 3-conductor #14 for single phase.
All hoists listed with trolley suspensions are supplied with heat treated gray iron trolleys wheels.
All reference to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load.
Trolleys are adjustable for Standard "I" beam or "WF" beam, 3 1/8 inch to 8 inch flange width. **Beam size must be specified.**
Trolleys are also available for 3.25 or 3.33" patented track beams. Trolleys for WF beams with flange widths greater than 8 inches available on application.
Push button station drop is 3 1/8" above lowest hook position.
When ordering specify **product number, power supply, and trolley beam size.**

Electric Wire Rope Hoists

Standard Headroom Motorized Trolley Suspension

Wright-Way Single and Two Speed Electric Wire Rope Hoists

2 Part and 4 Part Single Reeving — 1/4"



For general purposes where headroom and lateral hook travel are not a concern.

Features

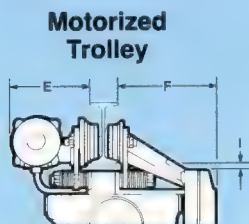
Wire rope is flexible, preformed aircraft grade steel. Drum is fabricated steel construction, grooved for full lift. Large drum-to-cable and sheave-to-cable ratios reduce wear and cable fatigue. Overload cutoff unit protects load, hoist and operator by interrupting raising circuit when hoist is excessively overloaded.

Specifications

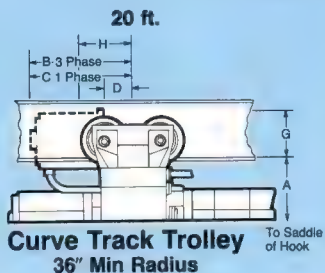
Capacity (tons)	Lift (ft.)	Lifting Speed (FPM)	Single Speed					Two Speed				Net Weight (lbs.)
			Single Phase	Three Phase				Three Phase				
				115/230V	200V	230/460V	575V	HP	230V	460V	575V	
1/4	20	16	2213320	2213330	2213340	2213350	1/2	2213370	2213380	2213390	1/2 - 1/6	350
		24	2213400	2213410	2213420	2213430	1/2	2213450	2213460	2213470	1/2 - 1/6	
		30	2213480	2213490	2213500	2213510	1	2213530	2213540	2213550	1 - 1/3	
		44	2213560	2213570	2213580	2213590	1	2213610	2213620	2213630	1 - 1/3	
	40	16	2213640	2213650	2213660	2213670	1/2	2213690	2213700	2213710	1/2 - 1/6	370
		24	2213720	2213730	2213740	2213750	1/2	2213770	2213780	2213790	1/2 - 1/6	
		30	2213800	2213810	2213820	2213830	1	2213850	2213860	2213870	1 - 1/3	
		44	2213880	2213890	2213900	2213910	1	2213930	2213940	2213950	1 - 1/3	
1/2	20	16	2213960	2213970	2213980	2213990	1/2	2214010	2214020	2214030	1/2 - 1/6	350
		24	2214040	2214050	2214060	2214070	1	2214090	2214100	2214110	1 - 1/3	
		30	2214120	2214130	2214140	2214150	1	2214170	2214180	2214190	1 - 1/3	
		44	—	2214200	2214210	2214220	1 1/2	2214240	2214250	2214260	1 1/2 - 1/2	
	40	16	2214270	2214280	2214290	2214300	1/2	2214320	2214330	2214340	1/2 - 1/6	370
		24	2214350	2214360	2214370	2214380	1	2214400	2214410	2214420	1 - 1/3	
		30	2214430	2214440	2214450	2214460	1	2214480	2214490	2214500	1 - 1/3	
		44	—	2214510	2214520	2214530	1 1/2	2214550	2214560	2214570	1 1/2 - 1/2	
1	20	16	2214580	2214590	2214600	2214610	1	2214630	2214640	2214650	1 - 1/3	350
		24	—	2214660	2214670	2214680	1 1/2	2214700	2214710	2214720	1 1/2 - 1/2	
		30	—	2214730	2214740	2214750	2	—	—	—	—	
		44	—	—	—	—	—	—	—	—	—	
	40	16	2214800	2214810	2214820	2214830	1	2214850	2214860	2214870	1 - 1/3	370
		24	—	2214880	2214890	2214900	1 1/2	2214920	2214930	2214940	1 1/2 - 1/2	
		30	—	2214950	2214960	2214970	2	—	—	—	—	
		44	—	—	—	—	—	—	—	—	—	
2	20	8	2215020	2215030	2215040	2215050	1	2215070	2215080	2215090	1 - 1/3	380
		12	—	2215100	2215110	2215120	1 1/2	2215140	2215150	2215160	1 1/2 - 1/2	
		15	—	2215170	2215180	2215190	2	—	—	—	—	

Wheel Dia 4"

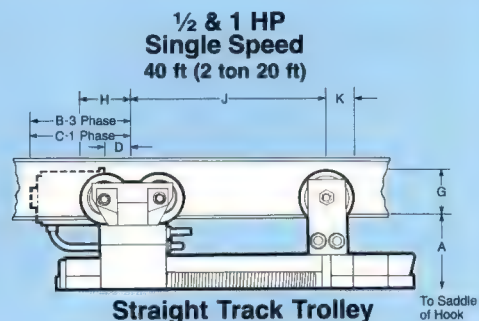
Standard Headroom
1/4, 1/2, 1 Ton



Motorized Trolley

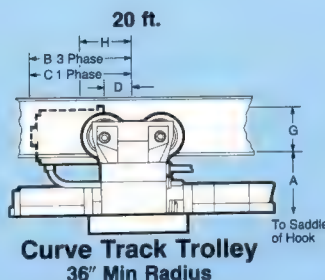
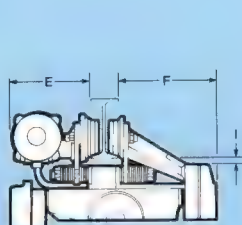


Curve Track Trolley
36" Min Radius

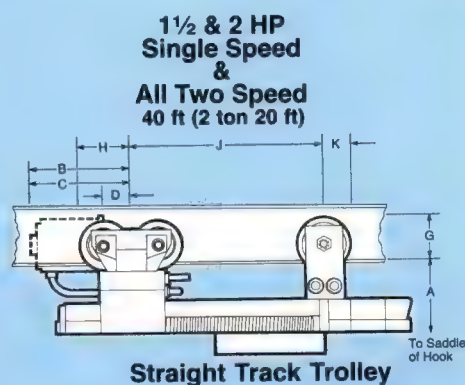


Straight Track Trolley

1/4, 1/2, 1 Ton



Curve Track Trolley
36" Min Radius



Straight Track Trolley

Dimensions (Inches)

Capacity (tons)	Lift (ft.)	Speed	HP	A	B	C	D	E	F	G	H	I	J	K
1/4 - 1	20	SS	1/2 1	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	—	—
			1 1/2 2	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	—	—
		2S	1/2 - 1/8 1 - 1/8 1 1/2 - 1/2	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	—	—
			1/2 1	24 1/4	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8
	40	SS	1 1/2 2	24 1/4	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8
		2S	1/2 - 1/8 1 - 1/8 1 1/2 - 1/2	24 1/4	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8
2	20	SS	1	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8
			1 1/2 2	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8
		2S	1/2 - 1/8 1 - 1/8 1 1/2 - 1/2	23 3/8	11 3/4	12 5/8	3 1/4	9 1/8	11 3/4	5 3/8	6	1	22 3/8	2 3/8

Two speed hoists are 3 to 1 speed ratio.

Standard trolley motors are 1/2 HP.

15 Ft. power cord less power plugs is furnished — 4 conductor #14 for 3-phase, and 3-conductor #14 for single phase.

All hoists listed with trolley suspensions are supplied with heat treated gray iron trolleys wheels.

All reference to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load.

Trolleys are adjustable for Standard "I" beam or "WF" beam, 3 1/8 inch to 8 inch flange width. **Beam size must be specified.**

Trolleys are also available for 3.25 or 3.33" patented track beams. Trolleys for WF beams with flange widths greater than 8

inches available on application.

Push button station drop is 3 1/2" above lowest hook position.

When ordering specify **product number, power supply, and trolley beam size.**

Electric Wire Rope Hoists

Close Headroom Lug and Plain Trolley Suspension

Wright-Way Single and Two Speed Electric Wire Rope Hoists

2 Part Double Reeving — 3/16"



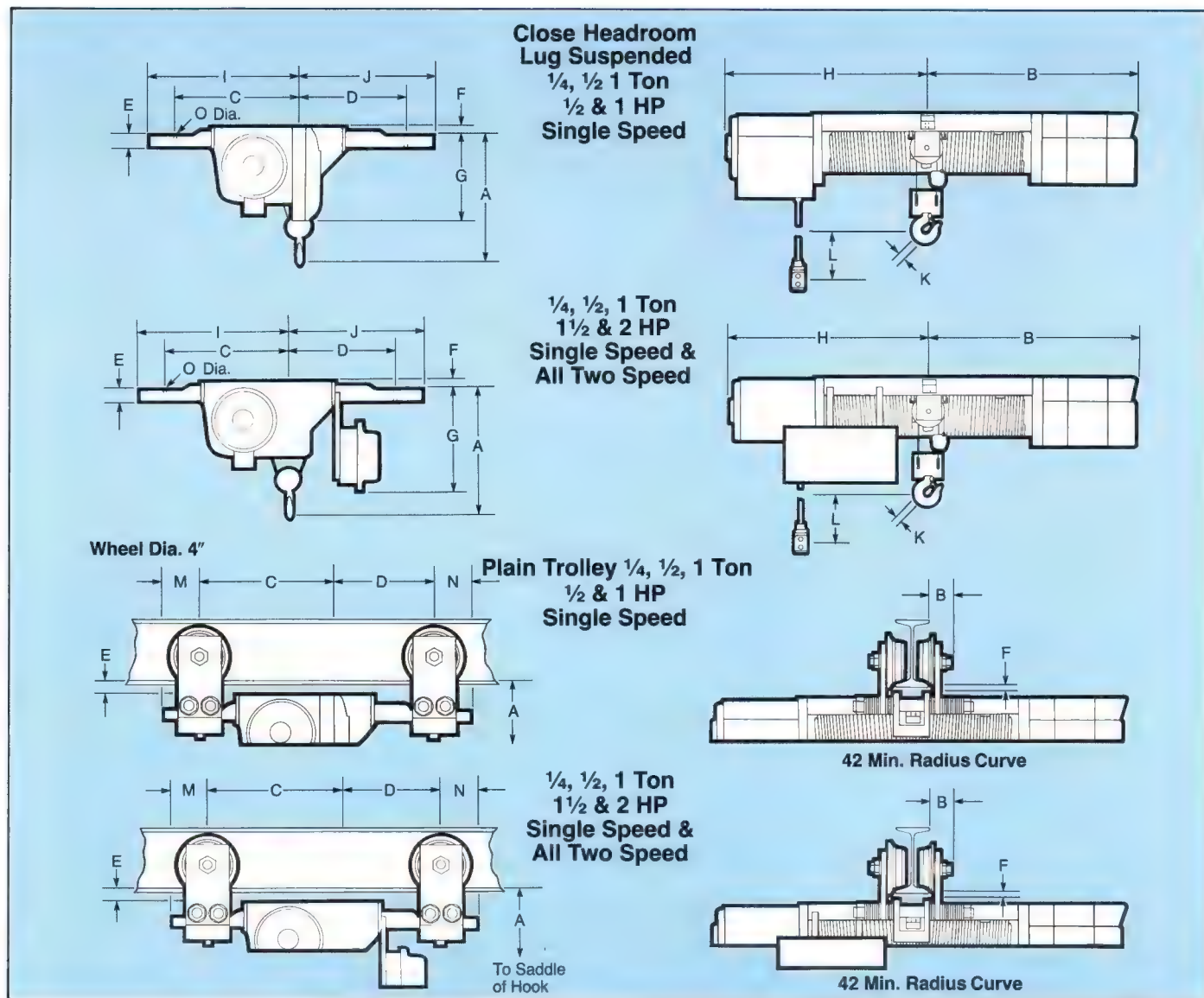
For extreme headroom conditions — maximum high hook.

Features

Double reeving allows true vertical lift. Wire rope is flexible, preformed aircraft grade steel. Drum is fabricated steel construction, grooved for full lift. Large drum-to-cable and sheave-to-cable ratios reduce wear and cable fatigue. Overload cutoff unit protects load, hoist and operator by interrupting raising circuit when hoist is excessively overloaded.

Specifications

Capacity (tons)	Lift (ft.)	Suspension	Lifting Speed (FPM)	Single Speed					Two Speed				Net Weight (lbs.)
				Single Phase	Three Phase				Three Phase				
					115/230 V	200 V	230/460 V	575 V	HP	230 V	460 V	575 V	
1/4	20	Lug	16	2215200	2215210	2215220	2215230	1/2	2215250	2215260	2215270	1/2 - 1/6	280
			24	2215280	2215290	2215300	2215310	1/2	2215330	2215340	2215350	1/2 - 1/6	
			30	2215360	2215370	2215380	2215390	1	2215410	2215420	2215430	1 - 1/2	
		Plain Trolley	44	2215440	2215450	2215460	2215470	1	2215490	2215500	2215510	1 - 1/3	335
			16	2216050	2216060	2216070	2216080	1/2	2216100	2216110	2216120	1/2 - 1/6	
			24	2216130	2216140	2216150	2216160	1/2	2216180	2216190	2216200	1/2 - 1/6	
			30	2216210	2216220	2216230	2216240	1	2216260	2216270	2216280	1 - 1/3	
1/2	20	Lug	44	2216290	2216300	2216310	2216320	1	2216340	2216350	2216360	1 - 1/3	280
			16	2215520	2215530	2215540	2215550	1/2	2215570	2215580	2215590	1/2 - 1/6	
			24	2215600	2215610	2215620	2215630	1	2215650	2215660	2215670	1 - 1/3	
			30	2215680	2215690	2215700	2215710	1	2215730	2215740	2215750	1 - 1/3	
		Plain Trolley	44	—	2215760	2215770	2215780	1 1/2	2215800	2215810	2215820	1 1/2 - 1/2	335
			16	2216370	2216380	2216390	2216400	1/2	2216420	2216430	2216440	1/2 - 1/6	
			24	2216450	2216460	2216470	2216480	1	2216500	2216510	2216520	1 - 1/3	
1	20	Lug	30	2216530	2216540	2216550	2216560	1	2216580	2216590	2216600	1 - 1/3	280
			44	—	2216610	2216620	2216630	1 1/2	2216650	2216660	6616670	1 1/2 - 1/2	
			16	2215830	2215840	2215850	2215860	1	2215880	2215890	2215900	1 - 1/3	
			24	—	2215910	2215920	2215930	1 1/2	2215950	2215960	2215970	1 1/2 - 1/2	
		Plain Trolley	30	—	2215980	2215990	2216000	2	—	—	—	—	335
			16	2216680	2216690	2216700	2216710	1	2216730	2216740	2216750	1 - 1/3	
			24	—	2216760	2216770	2216780	1 1/2	2216800	2216810	2216820	1 1/2 - 1/2	
			30	—	2216830	2216840	2216850	2	—	—	—	—	



Dimensions (Inches)

Capacity (tons)	Suspension	Speed	HP	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1/4 - 1	Lug	SS	1/2 1	16 1/4	21 1/4	12 7/8	10 7/8	1	1 1/2	7 1/4	22 1/4	15 1/2	13 1/2	15 1/8	16'6"	—	—	2 1/32
			1 1/2 2	16 1/4	21 1/4	12 7/8	10 7/8	1	1 1/2	13 3/4	22 1/4	15 1/2	13 1/2	15 1/8	16'6"	—	—	2 1/32
		2S	1/2 - 1/8 1 - 1/8	16 1/4	21 1/4	12 7/8	10 7/8	1	1 1/2	13 3/4	22 1/4	15 1/2	13 1/2	15 1/8	16'6"	—	—	2 1/32
			1 1/2 - 1/2	16 1/4	21 1/4	12 7/8	10 7/8	1	1 1/2	13 3/4	22 1/4	15 1/2	13 1/2	15 1/8	16'6"	—	—	2 1/32
	Plain Trolley	SS	1/2, 1 1 1/2 2	19	2 1/4	12 7/8	10 7/8	1 1/4	1	—	—	—	—	—	—	2 3/8	2 3/8	—
		2S	1/2 - 1/8 1 - 1/8 1 1/2 - 1/2	19	2 1/4	12 7/8	10 7/8	1 1/4	1	—	—	—	—	—	—	2 3/8	2 3/8	—

Two speed hoists are 3 to 1 speed ratio.

15 Ft. power cord less power plugs is furnished — 4 conductor #14 for 3-phase, and 3-conductor #14 for single phase.

All hoists listed with trolley suspensions are supplied with heat treated gray iron trolleys wheels.

All reference to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load.

Trolleys are adjustable for Standard "I" beam or "WF" beam, 3 1/2 inch to 8 inch flange width. **Beam size must be specified.**

Trolleys are also available for 3.25 or 3.33" patented track beams. Trolleys for WF beams with flange widths greater than 8 inches available on application.

Push button station drop is 3'6" above lowest hook position.

When ordering specify **product number, power supply, and trolley beam size.**

Electric Wire Rope Hoists

Close Headroom Geared and Motorized Trolley Suspension

Wright-Way Single and Two Speed Electric Wire Rope Hoists

2 Part Double Reeving — 3/16"



For extreme headroom conditions — maximum high hook.

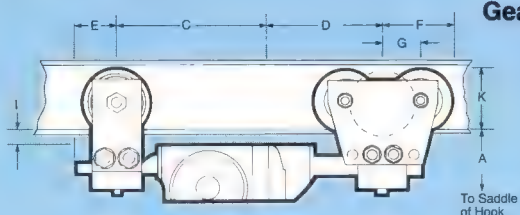
Features

Double reeving allows true vertical lift. Wire rope is flexible, preformed aircraft grade steel. Drum is fabricated steel construction, grooved for full lift. Large drum-to-cable and sheave-to-cable ratios reduce wear and cable fatigue. Overload cutoff unit protects load, hoist and operator by interrupting raising circuit when hoist is excessively overloaded.

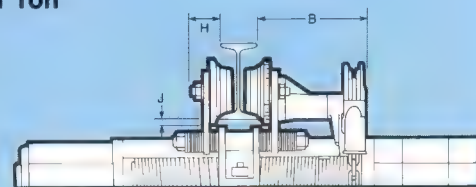
Specifications

Capacity (tons)	Lift (ft.)	Trolley Type	Lifting Speed (FPM)	Single Speed					Two Speed				Net Weight (lbs.)
				Single Phase	Three Phase			Three Phase					
				115/230 V	200 V	230/460 V	575 V	HP	230 V	460 V	575 V	HP	
1/4	20	Geared	16	2216900	2216910	2216920	2216930	1/2	2216950	2216960	2216970	1/2 – 1/6	350
			24	2216980	2216990	2217000	2217010	1/2	2217030	2217040	2217050	1/2 – 1/6	350
			30	2217060	2217070	2217080	2217090	1	2217110	2217120	2217130	1 – 1/3	350
			44	2217140	2217150	2217160	2217170	1	2217190	2217200	2217210	1 – 1/3	350
		Motorized	16	2217750	2217760	2217770	2217780	1/2	2217800	2217810	2217820	1/2 – 1/6	380
			24	2217830	2217840	2217850	2217860	1/2	2217880	2217890	2217900	1/2 – 1/6	380
			30	2217910	2217920	2217930	2217940	1	2217960	2217970	2217980	1 – 1/3	380
			44	2217990	2218000	2218010	2218020	1	2218040	2218050	2218060	1 – 1/3	380
1/2	20	Geared	16	2217220	2217230	2217240	2217250	1/2	2217270	2217280	2217290	1/2 – 1/6	350
			24	2217300	2217310	2217320	2217330	1	2217350	2217360	2217370	1 – 1/3	350
			30	2217380	2217390	2217400	2217410	1	2217430	2217440	2217450	1 – 1/3	350
			44	—	2217460	2217470	2217480	1 1/2	2217500	2217510	2217520	1 1/2 – 1/2	350
		Motorized	16	2218070	2218080	2218090	2218100	1/2	2218120	2218130	2218140	1/2 – 1/6	380
			24	2218150	2218160	2218170	2218180	1	2218200	2218210	2218220	1 – 1/3	380
			30	2218230	2218240	2218250	2218260	1	2218280	2218290	2218300	1 – 1/3	380
			44	—	2218310	2218320	2218330	1 1/2	2218350	2218360	2218370	1 1/2 – 1/2	380
1	20	Geared	16	2217530	2217540	2217550	2217560	1	2217580	2217590	2217600	1 – 1/3	350
			24	—	2217610	2217620	2217630	1 1/2	2217650	2217660	2217670	1 1/2 – 1/2	350
			30	—	2217680	2217690	2217700	2	—	—	—	—	350
			16	2218380	2218390	2218400	2218410	1	2218430	2218440	2218450	1 – 1/3	380
		Motorized	24	—	2218460	2218470	2218480	1 1/2	2218500	2218510	2218520	1 1/2 – 1/2	380
			30	—	2218530	2218540	2218550	2	—	—	—	—	380
			16	—	—	—	—	—	—	—	—	—	—
			24	—	—	—	—	—	—	—	—	—	—

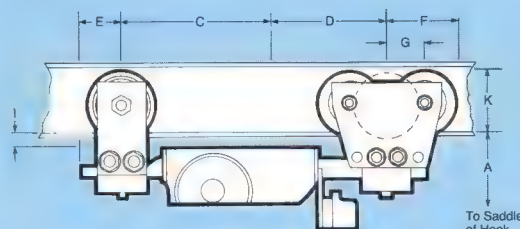
Wheel Dia.—4"



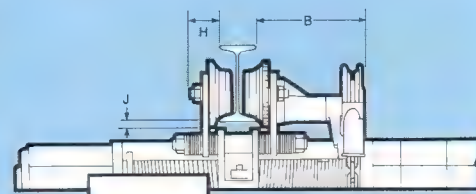
Close Headroom Geared Trolley 1/4, 1/2, 1 Ton 1/2 & 1 HP Single Speed



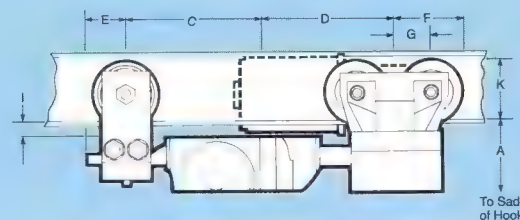
42" Min. Radius Curve



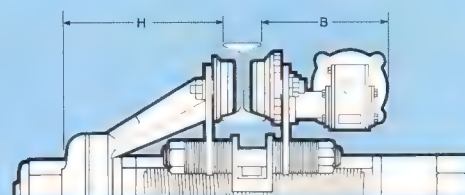
1/4, 1/2, 1 Ton 1 1/2 & 2 HP Single Speed & All Two Speed



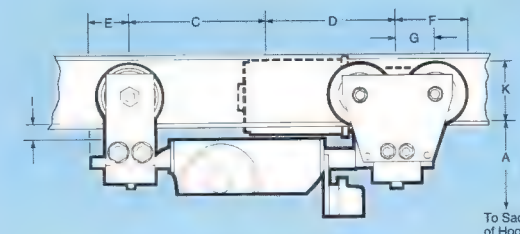
72" Min Radius Curve



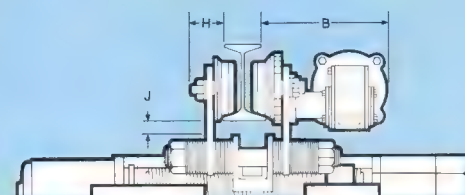
Motorized Trolley 1/4, 1/2, 1 Ton 1/2 & 1 HP Single Speed



72" Min. Radius Curve



1/4, 1/2, 1 Ton 1 1/2 & 2 HP Single Speed All Two Speed



72" Min. Radius Curve

Dimensions (Inches)

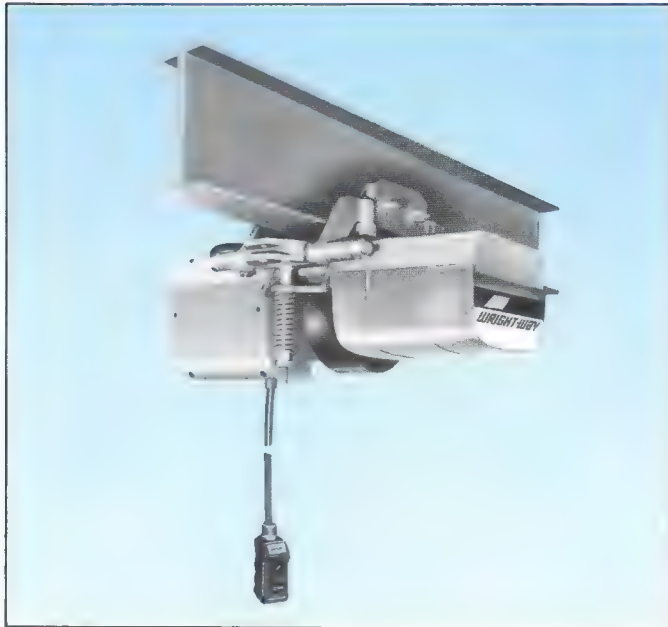
Capacity (tons)	Trolley Type	Speed	HP	A	B	C	D	E	F	G	H	I	J	K
1/4 - 1	Geared	SS	1/2 . 1 1 1/2 2	19	9	12 7/8	10 7/8	2 3/4	6	3 3/4	2 1/4	1 1/4	1	4 3/4
		2S	1/2 - 1/6 1 - 1/3 1 1/2 - 1/2	19	9	12 7/8	10 7/8	2 3/4	6	3 3/4	2 1/4	1 1/4	1	4 3/4
	Motorized	SS	1/2 1	19	9 1/8	12 7/8	10 7/8	2 3/4	6	3 3/4	11 3/4	1 1/4	1	5 3/8
			1 1/2 2	19	9 1/8	12 7/8	10 7/8	2 3/4	6	3 3/4	2 1/4	1 1/4	1	5 3/8
		2S	1/2 - 1/6 1 - 1/3 1 1/2 - 1/2	19	9 1/8	12 7/8	10 7/8	2 3/4	6	3 3/4	2 1/4	1 1/4	1	5 3/8

Two speed hoists are 3 to 1 speed ratio. Standard trolley motors are 1/2 HP.
15 Ft. power cord less power plugs is furnished — 4 conductor #14 for 3-phase, and 3-conductor #14 for single phase.
All hoists listed with trolley suspensions are supplied with heat treated gray iron trolleys wheels.
All reference to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load.
Trolleys are adjustable for Standard "I" beam or "WF" beam, 3 1/2 inch to 8 inch flange width. **Beam size must be specified.**
Trolleys are also available for 3.25 or 3.33" patented track beams. Trolleys for WF beams with flange widths greater than 8 inches available on application.
Push button station drop is 3'6" above lowest hook position.
When ordering specify **product number, power supply, and trolley beam size.**

Electric Hoists

Tractor Drives

Wright-Way Electric Tractor Drives



The Wright-Way electric tractor is a highly efficient powered auxilliary drive unit for horizontal movement of hoist or other equipment along standard "I", "WF" or patented track beams.

Other applications are to provide power for operating doors or acting as drive units for conveyor lines and cranes.

Through a speed reduction, the drive action of the motor is transmitted to a rubber tire wheel which is spring loaded to provide steady traction as it rolls against the underside of the track.

One standard unit runs on standard "I" beams and "WF" beams with flange widths of 3 inches minimum, 7 inches maximum. Another standard unit will operate on patented track with 2, 3¼, or 3.33 inch flange. Both models will negotiate a 30 inch curve. In addition, the patented track model will operate through switches and turntables.

Construction Features

Motor Brake

Direct acting, short stroke, AC magnet actuated disc type with a minimum torque rating of 150% of the full load motor torque. Provides accurate spotting and control of the load by quickly stopping the motor when power is interrupted.

Frame

Rugged malleable iron construction.

Motor

Standard NEMA C face, Class F insulation, TENV motors are provided for standard commercial power supplies. The motor has a standard NEMA shaft extension.

Automatic reset thermostats protect both single speed and two speed motor. This complies with applicable NEC requirements and relieves the user from providing motor running overcurrent protection.

Single Speed Motors

Single phase motors are capacitor start, induction-run, and reconnectable for 115 volt or 230 volt, 60 hertz applications rated 15 minute duty with a $\pm 10\%$ voltage variation. Single phase motors are not reconnectable as three phase motors.

Three phase motors are induction type, reconnectable for 230 volt or 460 volt, 60 hertz power supply, rated at 30 minute duty with $\pm 10\%$ voltage variation.

Two Speed Motors

Two speed, 1800/600 RPM, motors are three phase, induction type, not reconnectable, rated at 30 minute duty with $\pm 10\%$ voltage variation.



Control

Choose from single or two speed. Completely enclosed controls are 3 pole magnetic reversing type, mechanically interlocked with 115 volt control circuit and rated at 600 volts, includes control transformer. Two speed controls are also electrically interlocked. All wiring conforms to applicable NEC and CSA requirements. Housed in a NEMA type 3R enclosure with lightweight, impact resistant Lexan resin cover, deep molded.

Specifications

Draw Bar Pull (tons)	Product Number	Phase	Speed (FPM)	HP	Net Weight (lbs.)
Standard "I" or "WF" Beam—Single Speed					
1-3	2300020	Single	30, 40	½	140
	2300050	Three	60 & 80		
4-5	2300020	Single	30, 40	½	140
	2300050	Three	& 60		
	2300030	Single	80	1	
	2300060	Three			
Patented Track—Single Speed					
1-3	2300080	Single	30, 40	½	140
	2300110	Three	60 & 80		
4-5	2300080	Single	30, 40	½	140
	2300110	Three	& 60		
	2300090	Single	80	1	
	2300120	Three			
Standard "I" or "WF" Beam—Two Speed					
1-3	2300130	230V-3	30-10	½ - ⅓	155
	2300140	460V-3	40-13	½ - ⅓	155
	2300150	575V-3	60-20	½ - ⅓	155
4-5	2300160	230V-3	30-10	½ - ⅓	155
	2300170	460V-3	40-13	½ - ⅓	155
	2300180	575V-3	60-20	½ - ⅓	155
	2300190	230V-3	80-27	1 - ⅓	155
	2300200	460V-3		1 - ⅓	155
	2300210	575V-3		1 - ⅓	155
	Patented Track—Two Speed				
1-3	2300220	230V-3	30-10	½ - ⅓	155
	2300230	460V-3	40-13	½ - ⅓	155
	2300240	575V-3	60-20	½ - ⅓	155
4-5	2300250	230V-3	30-10	½ - ⅓	155
	2300260	460V-3	40-13	½ - ⅓	155
	2300270	575V-3	60-20	½ - ⅓	155
	2300280	230V-3	80-27	1 - ⅓	155
	2300290	460V-3		1 - ⅓	155
	2300300	575V-3		1 - ⅓	155

Push Button Station

Two button single speed control stations are NEMA type 3R and 4 enclosure, with double break silver contacts, mechanically interlocked to prevent closing of more than one pair of contacts at a time. Push button operating voltage is 115 volts. The thermoplastic enclosure is designed for one hand operation and is supported by a strain relief chain. Two speed and multiple button stations are NEMA types 3, 3R, 4 and 12, molded, impact resistant Lexan resin units with momentary contact type buttons.

Drive Wheel

Rubber tire 9 inches in diameter with 3 inch face, supported by prelubricated and sealed ball bearings.

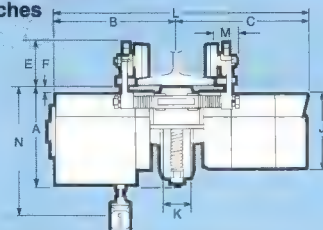
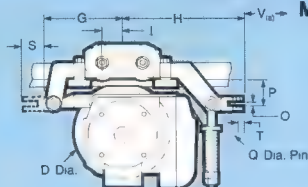
Trolley Wheels

For Standard "I" or "WF" beams — Flangeless, ball bearing, steel wheels, 3¼ inch tapered tread diameter for "I" beam, 2⅞ inch flat tread diameter for "WF" beam.

For Patented Track — Flanged, ball bearing, steel wheels, 4 inch flat tread diameter.

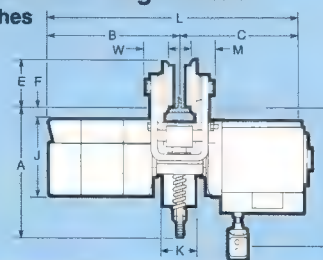
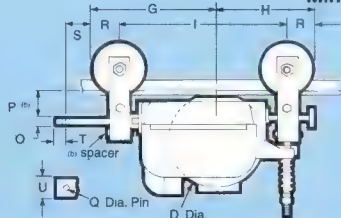
Tractor for Std. I Beam—3 to 7 Flange Widths

Min. Radius Curve—30 Inches
Tread Dia.—3¼



Tractor for Patented Track—2, 3¼, and 3.33 Flange Widths

Min. Radius Curve—30 Inches
Tread Dia.—4



Dimensions (Inches)

Tractor Drive Draw Bar Pull (tons)		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1-5	Standard Beam	10	10½	12	9	3¾	5	6¾	11¼	17½	7¼	3	22½	2½	7'6"	¾	2½	5	—	2½	5	—	3	—
1-5	Patented Track	12	12	10½	9	4½	5	11½	9	15½	7¼	3	22½	2½	7'6"	½	2½	5	2½	7½	5	2	—	1½

Gear Train

Combination of helical and spur gears, with all contact surfaces hardened for wear resistance and designed in accordance with AGMA standards. All gears and pinion shafts supported on both ends by anti-friction ball bearings. Gears operate in a sealed oil bath.

Index and Check List

STD — Standard Equipment

OPT — Optional Equipment

N/A — Not Available

APP — On application. Consult your nearest Wright representative.

The descriptions of the following accessories & modifications are found on pages 52–55.

B Trolleys:

Cast iron wheels (Patented track only)
Pressed steel wheels (standard & "WF" beams only)
Bronze wheels (Patented Track only)
AC disc type trolley brake
Tow bar for Wright hoist only

STD
STD
APP
STD
OPT

C Electrification:

Collector mounting arm
Wright collectors
Series "C" collector
Power supply cable 15'-0" length
Extra power supply cable
Power plugs, single phase or three phase
Festooned tagline
Cable reel
Cable reel 360° swivel or 330° pivot base
Cable trolleys

OPT
OPT
OPT
STD
OPT
APP
OPT
OPT
OPT

D Motors:

115/230-1–60 power

STD

200/230/460/575-3–60 power
Motor thermostat
Two speed (if selected)

STD
STD
STD

E Controllers:

NEMA type 3R
NEMA type 4
NEMA type 7, 9 & 12
115 volt control circuit
24 volt control circuit
Mainline contactor
Extra controllers
Less controllers

STD
OPT
N/A
STD
OPT
APP
APP
OPT

F Limit Switches:

Trolley travel limit switch

OPT

G Push Button Stations:

NEMA type 3, 3R, 4 and 12
NEMA type 9
Extra push buttons
Push button deductions
Extra cord
Special nameplate markings
Push button balancer
Outrigger arm
Surface mounted station
Pilot light

STD
N/A
OPT
OPT
OPT
APP
N/A
N/A
APP
APP

Note: Accessories & modifications not listed above are not available. The above items are sold as accessories only.

Tractor shown on Std. I Beam with maximum flange width. To adjust to smaller beams, move equalizing washers on tie rods to outside of plate as required. For variance in dimensions for WF beams, contact factory.

(a) Shows minimum clearance to hoist extremity when used on curved track. Tow clevis is furnished on side shown by solid lines. For shortest tow bar for curved track application, attach clevis where shown by dotted lines.

(b) Spacer required when beam flange is less than 7/16 inch thick. Add ½ inch when spacer is not used.

Electric Hoists

Modifications and Accessories

Standard Wright-Way Chain Hoist Trolleys

4 Wheel Plain, Geared and Motorized Trolleys



Plain trolley has a compact profile, long life, and is designed for ease of maintenance. The simple, rugged design provides dependability in heavy applications in industrial plants, construction sites, and maintenance operations, and is ideally suited for applications on bridge cranes and monorails.

The steel side plate trolley is adjustable for a wide range of beam flange widths and is self aligning to distribute the load on all four wheels. Short wheelbase allows for operation on curved beams.

The side plates extend beyond the wheels for added wheel protection serving as bumpers.

Hand geared trolleys are recommended for precision spotting of loads. They are equipped with two plain and two geared wheels and are provided with a cast iron hand chain wheel with deep cast pockets and chain guides. Endless operating hand chain extends 2'0" less than lift of the hoist.

Standard chain is electro zinc plated. Aluminum hand chain for special locations is available on application.

To order specify additional drop or length. Additional length should be twice the distance of drop.

Motorized trolley unit shown on all *Wright-Way* dimensional pages is a single speed unit with 4" diameter gray iron wheels. Controls are housed in NEMA Type 3R *Lexan* enclosure. The motor has standard NEMA C face with NEMA shaft extension. Motor has Class F insulation. One half HP TENV motor is supplied with 15 minute duty rating for single phase and 30 minute duty rating for three phase power supply.

Trolley and hoist will be preassembled at factory and supplied with a four button station. If trolley is ordered as a separate item, it will be supplied less push button station and cord.

Standard trolley speed is 65 FPM. 32 FPM is available at no cost but must be specified when ordering the trolley.

Pressed Steel Wheel Trolleys

For infrequent handling of loads up to 1 ton pressed steel wheel trolleys are an economical alternative to cast iron wheels on plain trolleys for **chain hoists only**. Each pressed steel wheel is equipped with single row ball bearings and a lubrication fitting in the axle. The dual tread design permits operation on standard "I" beam or flat flange beams and are adjustable through a wide range of flange widths.

Gray Iron Wheel Trolleys

Heat treated gray iron wheels are available as standard on all plain, geared and motorized trolleys for all *Wright-Way* hoists. Each gray iron wheel is equipped with single row ball bearings which are lifetime prelubricated and sealed. The dual tread design permits operation on standard "I" beam or flat flange beams and are adjustable through a wide range of flange widths.

All Non-motorized Trolleys

The trolley, when ordered with a lug suspended *Wright-Way* chain hoist, will be shipped in its own box and requires attachment to the hoist at jobsite. Included with the trolley is installation instructions detailing easy attachment to the hoist.

Chain Hoist Trolley Specifications

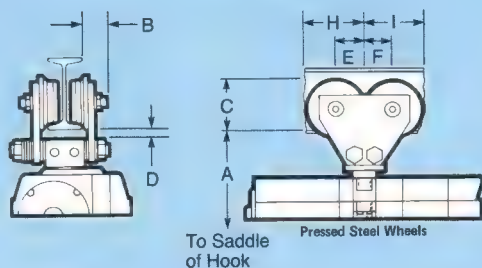
Capacity (tons)	Trolley Type	Product Number	Power Supply Phase	Flange Width ^a		Minimum Radius ^b Curve (in.)	Net Wt. (lbs.)	Speed (FPM)	HP
				Min. (in.)	Max. (in.)				
1/4-1	Plain Pressed Steel Wheels	6200200	N/A	3	4 ⁵ / ₈	21	27	N/A	N/A
		6200540		5	5 ¹ / ₂	24	29		
		6200550		6	7	30	37		
1/4-2	Plain Gray Iron Wheels	6201100		3 ¹ / ₄	4 ⁵ / ₈	36	56		
				5	6 ¹ / ₄	36	56		
				6 ³ / ₈	8	36	56		
1/4-2	Geared Gray Iron Wheels	6201110		3 ¹ / ₄	4 ⁵ / ₈	36	70		
				5	6 ¹ / ₄	36	70		
				6 ³ / ₈	8	36	70		
1/4-2	Motorized ^c Single Speed	6201120	115V-1	3 5 6 ³ / ₈	4 ⁵ / ₈ 6 ¹ / ₄ 8	36	96	65	1/2
		6201130	230V-1			36	96		
		6201140	230V-3			36	96		
		6201150	460V-3			36	96		
1/4-2	Motorized ^c Single Speed	6201160	115V-1	3 5 6 ³ / ₈	4 ⁵ / ₈ 6 ¹ / ₄ 8	36	96	32	1/2
		6201170	230V-1			36	96		
		6201180	230V-3			36	96		
		6201190	460V-3			36	96		

^a All references to beam flange widths are for clearances only and do not imply that lower flange of the beam will support hoist with load. Beam information is based on Std "I" Beams. Trolley wheels are dual tread design and will operate on either flat or tapered flanges within the ranges listed.

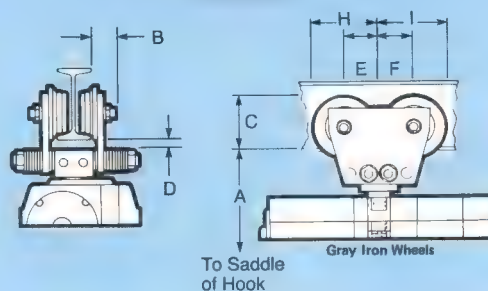
^b Minimum radii based on minimum size beam shown. **When ordering specify product number and trolley beam size.** ^c Supplied less push button station and cord.

Plain Trolley

Minimum Beam Height-6"
Wheel Dia. 4

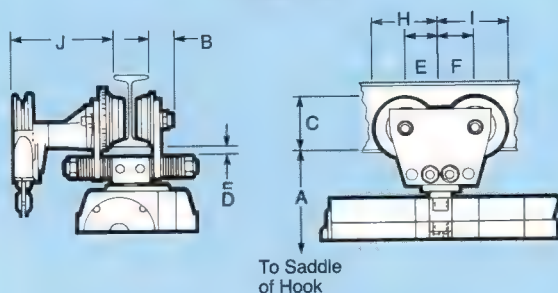


Minimum Beam Height-6"
Wheel Dia. 4



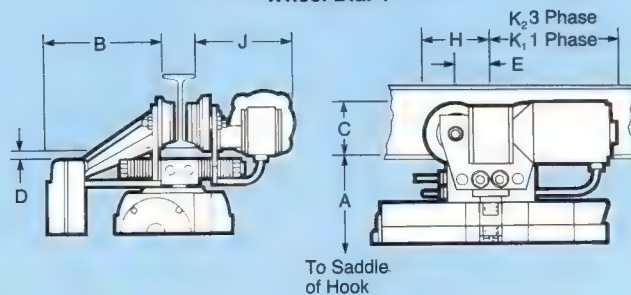
Geared Trolley

Minimum Beam Height-6"
Wheel Dia. 4



Motorized Trolley

Minimum Beam Height-6"
Wheel Dia. 4



Dimensions (Inches)

Capacity (tons)	Trolley Type	A	B	C	D	E	F	H	I	J	K ₁	K ₂
1/4-1	Plain Pressed Steel Wheels	17 1/2	2 1/4	5	3/4	2 1/2	2 1/2	5	5	—	—	—
2	Plain Gray Iron Wheels	22 1/2	2 1/4	4 3/4	1	3 1/4	3 1/4	5 5/8	5 5/8	—	—	—
1/4-1	Geared Gray Iron Wheels	18 1/8	2 1/4	4 3/4	1	3 1/4	3 1/4	6	6	9	—	—
2	Geared Gray Iron Wheels	22 1/2	2 1/4	4 3/4	1	3 1/4	3 1/4	6	6	9	—	—
1/4-2	Motorized Gray Iron Wheels	22 1/2	11 3/4	5 3/8	1	3 1/4	—	6	—	9 1/8	12 5/8	11 3/4

Electric Hoists

Modifications and Accessories

The term "STANDARD" indicates that the item is included in the base price.

The term "OPTIONAL" indicates that the item can be applied to the hoist at additional cost. Price additional can be found in price sheet.

The term "ON APPLICATION" indicates that the item may be applied to the hoist and nearest *Wright* representative must be contacted for additional cost.

A Suspensions

Rigid Hook

Alternate to swivel hook on chain hoists. Restricts hoist rotation, but retains portability and mounting ease of hoist. Easily interchangeable with lug or swivel hook in the field. Available in one position as shown.

To order, use product number of desired swivel hook mounted hoist, and specify rigid hook.

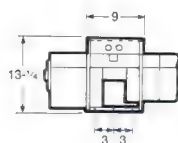
Base Mounted Bracket

The base mounted bracket is available for all standard headroom wire rope hoists and chain hoists.

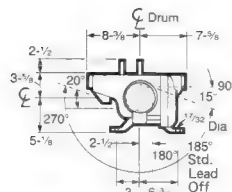
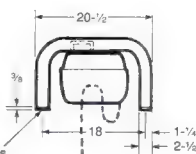
The leadoff angle for single line wire rope hoists is only available as shown. See below illustration of the standard range. Specify the desired angle range viewed from motor end of the hoist. State exact degree clockwise from zero vertical leadoff position as shown. If a range of degree is required, state both limits.

Chain hoist is only available with a straight down position.

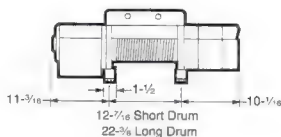
To order specify lug mounted hoist and base mounting bracket.



Chain Hoist



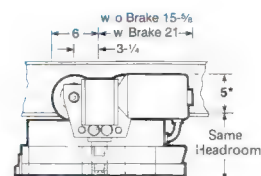
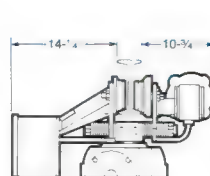
Standard Headroom
Wire Rope Hoist



Suspension Conversion Units

Suspension kits for new style only *Wright-Way* chain hoists are available in two sizes. The smaller size is used for hoists of one ton capacity or less. The larger size is required for two ton hoists. Each kit is enclosed in a plastic bag with necessary mounting screws and installation instructions.

Suspension Designation	Up to 1 ton Product Number	2 ton Product Number
Swivel Hook	6201050	6201060
Rigid Hook	6201070	6201080
Rigid Lug	6201090	6201090



*On 125 FPM Model, dimension is 6 1/4", Min. Beam Height 8"

B Trolleys

This unit has 4 inch gray iron dual tread wheels. These wheels are designed for use on American Standard "S" shape (sloped flange), or wide flange "W" shape (flat flange), or Patented track (flat flange) beams. All wheels have single row ball bearings, shielded and lifetime lubricated.

The selection of certain options will determine the type of control enclosure that must be used which would be sheet metal with either a *Lexan* cover or a sheet metal cover. Both enclosures will meet NEMA type 3R.

The 1/2 HP TENV motor is NEMA C face with standard NEMA shaft extension. Class F motor insulation is standard.

The following items are the options that may be furnished on the motorized trolley:

- Additional power cord (36" is standard)
- 65 FPM single speed with ACM control
- 65/22 FPM two speed without ACM control
- 65/22 FPM two speed with ACM control
- 32 FPM single speed with ACM control
- 125 FPM single speed with ACM control (8" min. beam height)
- Collector arm and mounting bracket (mounted)
- Series "C" collectors (mounted)
- Bronze wheels
- AC disk type trolley brake
- Trolley travel limit switch (mounted and wired—trip angle not included)
- Drop down lugs and trolley bumpers

Patented Track Trolleys

All *Wright-Way* chain hoists, wire rope hoists, and tractor drives are available as standard equipment with trolley to operate on patented track monorail systems.

To order for hoist or tractor drive, specify manufacturer and size of track.

Bronze Wheels

Bronze trolley wheels for standard "I" beam or wide flange beams are optional equipment.

Trolley Brake

An AC disc type trolley brake is available optional equipment for the optional motorized trolley with the 4" diameter gray iron wheel.

Trolley Travel Limit Switch

The trolley travel limit switch is available as optional equipment for the motorized trolley.

A trolley brake is recommended for the trolley to prevent overtravel when a trolley travel limit switch is used.

Trolleys for Hook Mounted Hoists

Trolleys used with hook suspension see pages 26 through 29, 60 and 61.

Tractor Tow Bar

Tow bar when used with *Acco* hoist or crane is available as optional equipment.

C Electrification

Current Requirement Chart

Wright-Way hoists and tractors are supplied with 15 feet of supply cable. Because of the wide variety of ways to connect hoist or tractor to an electrical system, the basic price does not include any collector mounting arms or conductors. Selection of an electrical system is dependent upon many factors such as current carrying capacity, special environments, and length.

To determine the current carrying capacity required for the electrical system obtain the total full load amps of all the motors involved from the following table.

Approximate Full Load Current — Amperes

HP	Single Phase		Three Phase			
	115V	230V	200V	230V	460V	575V
1/4	5.8	2.9	1.4	1.2	0.6	0.5
1/2	9.8	4.9	—	2.0	1.0	—
1	16.0	8.0	4.2	3.6	1.8	1.4
1 1/2	—	—	6.0	5.2	2.6	2.1
2	—	—	7.8	6.8	3.4	2.7

The average full current values listed are for 1800 RPM single or three phase, 60 hertz AC induction horsepower rated motors. They are the most common voltage and speed rating of several manufacturers and are to be used ONLY as a guide for selecting one of the following electrical systems:

Wright Electrification
Series "C" Electrification
Festooned tagline

Cable reel
Cable trolleys

Collector Mounting Arm

Collector mounting arms with brackets are available as optional equipment for all hoist trolleys except with hook suspended trolleys. They are necessary for attaching collectors to the hoist. The location and length of the arm is dependent upon the number of collectors required, the size of the runway beam, balance of the hoist and other mechanical considerations.

Wright Electrification

Wright collectors are available as optional equipment. Collector is 2 pole, 20 AMP, 600 volts. Collector mounting arm brackets are required.

Series "C" Electrification

Series "C" collectors are available as optional equipment. Collector is 1 pole, 70 AMPS, 600 volts. Collector mounting arm brackets are required.

Power Supply Cable

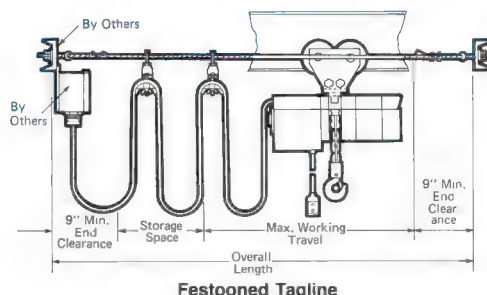
Hoist or tractor can be furnished with extra power supply cable connected to the hoist as optional equipment. Power plugs are not included. Plugs can be furnished on application by properly specifying type required.

Two factors contribute to the selection of the proper size power cord: the maximum current rating of the cord itself as established by the NEC and the voltage drop within the cord is determined by its length. In general, the voltage drop does not need to be considered if cord lengths are 50 feet or less.

Select cord from the table below. Specify total length required.

Wire Size	Max. Amps*
# 14	15
# 12	20
# 10	25
# 8	35
# 6	45

* Based on three current carrying conductors.
Power supply cable is round Type SO-600 volts.



The wire supported festooned tagline kit is designed for electrical supply on runways or crane bridges up to 53'-8" spans. Operating on a galvanized wire rope, the eyebolt supported trolleys may be used in outdoor applications.

Trolleys are spaced at approximately 7 1/2 foot intervals, keeping cable from looping not more than 48 inches below messenger wire.

The kit contains the following:

Flat wire cable with	Cable clamps
Cord grips	Wire rope
Trolleys	
Eyebolt with nuts	

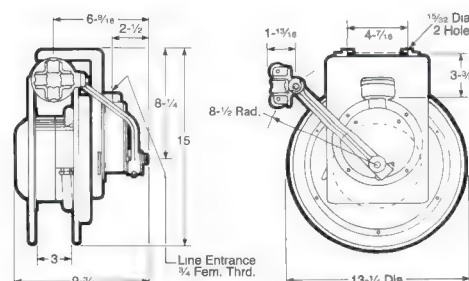
Product Number	Max. Working Travel (ft.)	Overall Length (ft.)	Number of Carriers	Weight (lbs.)
6700820	35	38	4	6 1/2
6700830	50	53 1/2	6	8 3/4



Cable Reels

Automatically rewinds and keeps power cable taut and out-of-the way. Weather resistant non-gravity type, spring loaded ratchet lever changes cable setting from lock position to constant spring tension. Four-position junction box accepts conduit from top, bottom, either side. Reel includes 600 v cable combination guide arm with outlet and lock. Order by product number.

duit from top, bottom, either side. Reel includes 600 v cable combination guide arm with outlet and lock. Order by product number.



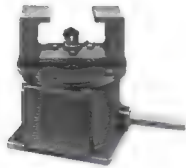
Electric Hoists

Modifications and Accessories

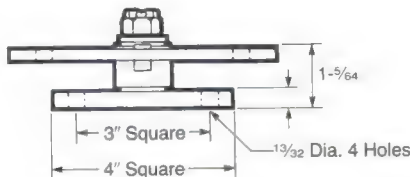
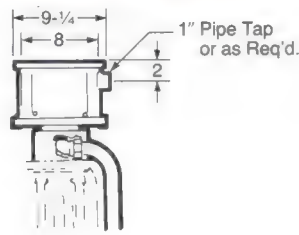
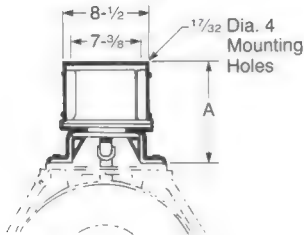
Product No.	Cable Size	No. Cond.	Phase	Max. Amps	Cable Length (ft)	Wt. (lbs.)
6700040	14	3	1	15	50	41
6700050	14	4	3	15	25	37
6700060	14	4	3	15	45	41
6700350	12	3	1	20	35	40
6700360	12	4	3	20	30	40

360° Swivel Base

Swivel bases for 360° continuous rotation. Specify applicable cord reel product number.



Product Number	No. Cond.	Phase
6700070	3	Single
6700080	4	Three

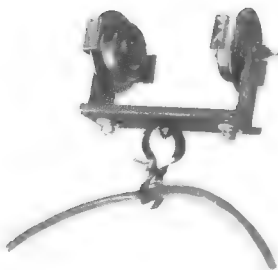


330° Pivot Base

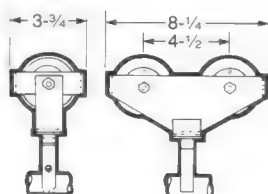
Pivot base for use with *Acco* cable reels to permit 330° rotation. Product Number 6700090.

Cable Trolleys

Supports electrical conductor cable. Recommended for use with trolley mounted hoist. 2 3/8 inch to 5 inch flange width adjustment is available as standard. 5 inch to 8 3/4 inch is available on application. Trolley wheels have lubrication fittings. Cable clamps can be adjusted to fit 1/2 inch to 1 1/2 inch diameter cable.



Two and four wheel models are available. Order by product number.



Type	Max. Load (lbs.)	Product Number	
		Standard	Spark Resistant
2 wheel	100	6200760	6200780
4 wheel	200	6200770	6200790

D Motors

Motor Thermostat

A bi-metallic, automatic reset thermostat is furnished as standard equipment. It is built into the motor windings, causing the motor control to be de-energized when temperature of the motor winding exceeds its limit. It provides full running protection against overheating caused by:

- Gradual overloads
- Plugging duty
- Increase in ambient temperature
- Jogging or obstruction of normal ventilating passages or separate sources of ventilation
- Variation in line voltages
- Any overheating in which the temperature is gradual.

E Controllers

General

A controller is an assembly of electro-mechanical contactors and/or relays mounted and housed in a separate enclosure for the purpose of supplying power to a motor or motors in the proper manner and sequence.

Hoist or tractor controller is housed in its own enclosure. Motorized trolley or other *Wright-Way* combined controls are housed in a separate enclosure suspended from the hoist trolley.

The controller is housed in a *Lexan* resin and sheet metal enclosure to meet the intent of NEMA type 3R, suitable for outdoor use as standard. This controller with gasket to meet NEMA type 4, is available as optional equipment. An isolating transformer reduces the supply voltage to 115 volts for standard control circuits. All wiring is done in a manner that meets or exceeds CSA standards and the National Electric Code, as interpreted by the Hoist Manufacturers Institute and *Acco* Products Division, *Babcock Industries Inc.*

24 Volt Control Circuit

Standard control circuit voltage on all hoists is 115 volts. Twenty four volt is optional, please specify.

Mainline Contactor

A mainline contactor is used for shutting off power circuits of the equipment. A start-stop push button is required to operate the contactor. The connection of the contactor control circuit offers under-voltage protection to the equipment. A momentary loss of power will require the operator to push the start button in order to reset the contactor. The control circuit remains "live" when the mainline contactor is off.

Consult factory on these applications requiring a mainline contactor or extra controls. These features are not available on hook suspended hoists.

Extra Controllers

Extra controllers are available on application for motors supplied by others. These controllers will consist of reversing contactors, adequate transformer capacity, accelerating contactors and resistors where required in appropriate enclosures.

Less Controller

All hoists can be furnished less standard controllers. See price sheet for deduction.

F Limit Switches

General

Several types of limit switches are available on *Wright-Way* hoists. Two or more types may perform the same function, but in a different manner. Some may be used in combination. Types of limit switches are hoist hook travel limit switches, such as, gravity type, or geared, and overload cutoff device.

In general, the type reeving, suspension and the power source usually determines the type of hoist limit switch supplied as standard equipment.

Geared limit switches are standard on all *Wright-Way* hoists except on electric chain hoists having capacities of ¼ through 1 ton with lifts exceeding 50 ft. and 2 ton capacities with lifts over 25 ft. In these cases a paddle limit switch must be added.

Hoist with paddle limit switches require different chain bucket mounting which can be supplied on application.

Overload Cutoff Device

The patented *Wright-Way* overload cutoff device is furnished as standard equipment on all product series except single line wire rope hoists (winches).

Weight Operated Limit Switch

Applications requiring repeated usage of an upper limit switch should use a geared limit switch with the gravity limit switch retained as a backup.

G Push Button Station

General

All standard push button assemblies on all single speed *Wright-Way* hoists and tractors are two button NEMA type 3, 3R, 4 and 12 thermoplastic enclosure. Buttons for opposing motions are mechanically interlocked.

Two speed and multiple button stations are NEMA type 3, 3R, 4 and 12, molded impact resistant *Lexan* resin units with momentary contact type buttons.

- Single speed (SS) with normally open contacts.
- Two speed (2S) with normally open, cumulative contacts.
- Start-stop (MLC) with one normally open and one normally closed contact.

The assembly includes a plated strain relief chain. Drop of push button station is 3'-6" above lowest hook position.

Push Button Mounting Procedures Standard

Button Required	Equipment	Mounting Procedures
2 button	All hoists and tractors	Suspended from its control enclosure
4 button	Hoist and tractor combination All other combinations	Suspended from hoist control enclosure
6 button	Hoist	On application
8 button	Hoist	

Note: All of the above push buttons may be specified to be shipped loose.

Extra Push Buttons

All hoists and tractors are available with extra push buttons as optional equipment for customer supplied controls, or *Wright* standard controls not mounted on the hoist. The wires for the extra push button will be plainly marked per *Wright* wiring standard and terminate in trolley control enclosure.

When orders include electrification systems the extra push button wires are connected to that system.

Push Button Deduction

All hoists are available less push button assemblies. Price deduction can be found in price sheet.

Extra Cord

All hoists and tractors are available on application with extra length push button cord.

Special Nameplate Markings

All hoists and tractors are available on application with customer specified markings at extra cost. The following is a list of standard push button markings, and standard top to bottom arrangement.

POWER: ON-OFF TROLLEY: RIGHT-LEFT
HOIST: UP-DOWN BRIDGE: FORWARD-REVERSE

Surface Mounted Station

Surface mounted push button stations are available on application. They are furnished loose for customer mounting and are less cord and strain chain.

State number of buttons, type of control, and type of enclosure.

Pilot Light

All push button stations are available on application with a pilot light to indicate power on. Standard connection is to have the pilot light energized as long as power is maintained at the power terminals of the hoist. The pilot light will have a green lens and will be marked "Power On".

H Reeving

Hooks

Hooks with spring type latches are standard on all hoists.

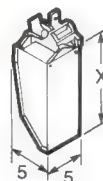
Hooks with Bullard type latches are available as optional equipment on load hooks only.

Bronze hooks with spring type latches are available on application.

Chain Buckets

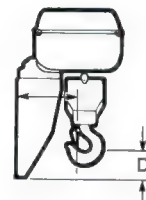
Stores trailing link chain. Installs easily. May affect headroom on certain applications. Order by product number

Hoists with Geared Limit Switch Product Number	Lift (ft.)		Depth × (in.)	Net Wt. (lbs.)
	¼ to 1 Ton Single Chain	2 Ton Double Chain		
6200120	10	—	12	7
6200130	20	10	16	8
6200140	30	15	22	9
6200150	40	20	27	10
6200160	50	25	32	11



Chain Bucket Dimensions

Single Chain			Double Chain		
Lift (ft.)	W	D	Lift (ft.)	W	D
10	8	4¾	10	8	6
20	8	9¾	15	8	11
30	8	14¾	20	8	16
40	8	19¾	25	8	21
50	8	24¾	Not Available		



Wire Rope

Wire rope on all standard headroom hoists is ¼" diameter 18 × 7 construction fibre core. The wire rope on all close headroom models is ⅜" diameter 18 × 7 construction fibre core.

Stainless Steel Wire Rope

Stainless steel wire rope is available on application.

Link Chain

Additional lifts for chain hoist are available as an option. Up to 1 ton hoists have 50 ft. maximum lift and 2 ton have 25 ft. maximum. Lifts beyond these maximums are available on application.

Additional drop of push button cord should be considered when increasing lift.

Stainless steel load chain is available on application.

To order specify length and hoist capacity.

Less Wire Rope and Bottom Block

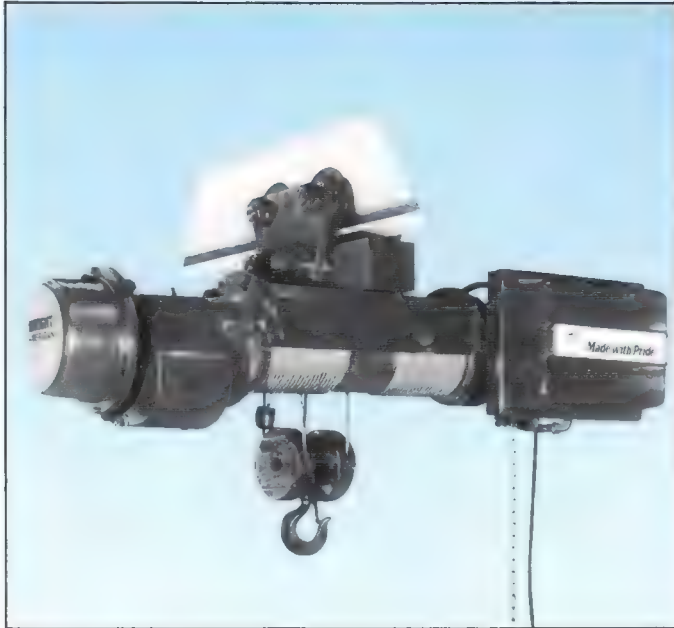
All standard headroom wire rope hoists can be furnished less wire rope and/or bottom block. Price deduction can be found in price sheet.

Electric Wire Rope Hoists

Heavy Duty Wire Rope Hoists

Wright American Single and Two Speed Hoists

Lug, Plain, Geared and Motorized Suspension



The *Wright American* hoist line combines the engineered durability of custom specified hoists with the price and delivery of "off-the-shelf" products. Using high volume *Wright* parts and components, parts with years of job-proven dependability, creates cost saving production efficiencies. The result is a high quality line of hoists, built with pride and engineering excellence, at very competitive prices.

Standard Features

- 2, 3, 5, 7½ and 10 ton capacities
- H-4 Duty Class
- Low Headroom
- Lug Mounted, Plain, Geared and Motorized Trolley Suspensions
- True Vertical Lift—Two Part Double Reeving on 2 through 5 Ton and Four Part Double Reeving on 7½ and 10 Ton Capacities
- Mechanical Load Brake
- Helical Gearing on High Speed Shaft
- Spur Gearing on Drum Shaft
- D.C. Disc Brake
- Single Speed or Two Speed Motor
- NEMA 3R Enclosure
- Minimum End Approach
- Complies with ANSI B30.16 and ANSI/ASME HST-4M Specifications

Specifications

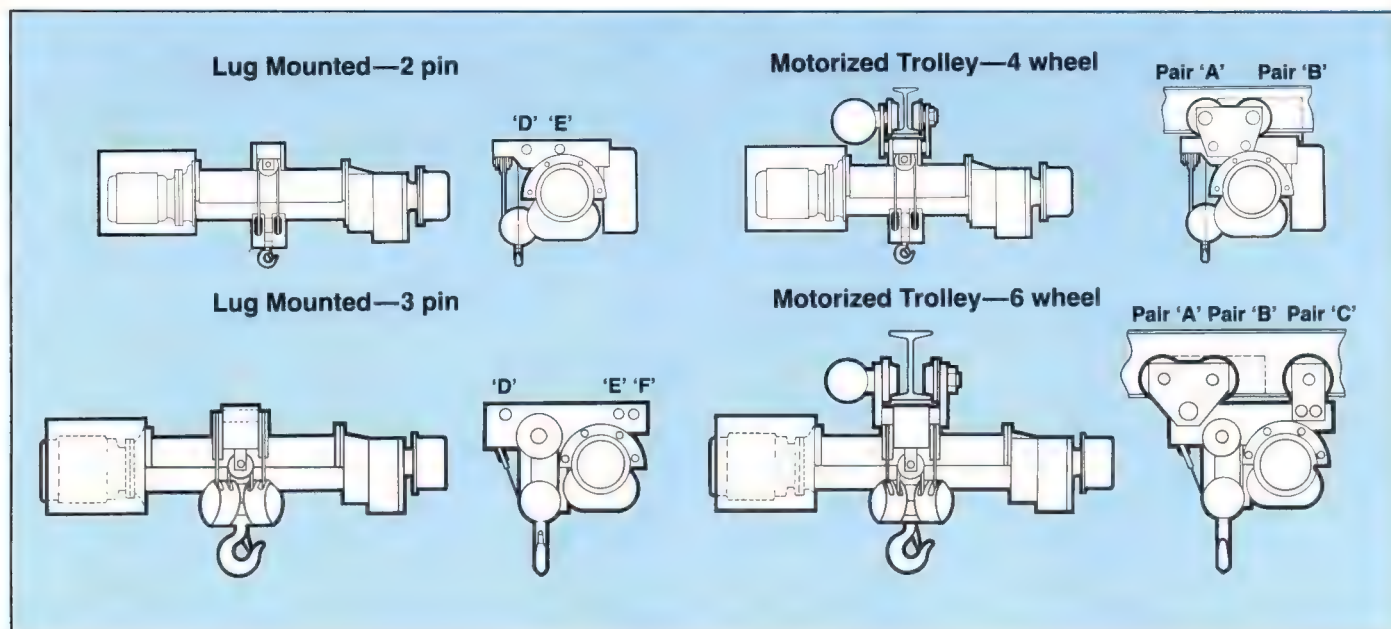
Capacity (tons)	Suspension	Head Room (in.)	Std. Lift (ft.)	Wire Rope (in.)	Wheel Dia. (in.)	Hoist Motor		Single Speed Hoists									
						HP	RPM	Model No.	Product No.	Net Wt. (lbs.)	Wheel Loads ^a			Max Pin Loads ^a			Lift Speed FPM
											Pair 'A' (lbs.)	Pair 'B' (lbs.)	Pair 'C' (lbs.)	at 'D' (lbs.)	at 'E' (lbs.)	at 'F' (lbs.)	
2	Lug Mounted 2 Pin	19¾	23	¼ IPS	—	2	1200	A2H0415S23L	3250260	780	—	—	—	4816	NA	—	15
	Plain Trolley 4 Wheel	22½			5	2	1200	A2H0415S23P	3250280	880	4039	841	—	—	—	—	15
	Mtz Trolley 4 Wheel	22½			5	2	1200	A2H0415S23M	3250300	950	4043	907	—	—	—	—	15
3	Lug Mounted 2 Pin	23½	23	⅝ IPS	—	3	1200	A2H0615S23L	3250320	880	—	—	—	7267	NA	—	15
	Lug Mounted 3 Pin	23⅜			—	3	1200	A2H0615S23L1	3250440	900	—	—	—	4191	1355	1355	15
	Plain Trolley 4 Wheel	26½			6	3	1200	A2H0615S23P	3250340	1020	6091	929	—	—	—	—	15
	Plain Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23P1	3250460	1070	2121	2121	2828	—	—	—	15
	Geared Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23G1	3250480	1120	2128	2128	2861	—	—	—	15
	Mtz Trolley 4 Wheel	26½			6	3	1200	A2H0615S23M	3250360	1075	6097	978	—	—	—	—	15
	Mtz Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23M1	3250500	1150	2132	2132	2886	—	—	—	15
5	Lug Mounted 2 Pin	23½	23	¾ XIP	—	5	1200	A2H1015S23L	3250380	960	—	—	—	12180	NA	—	15
	Lug Mounted 3 Pin	23⅜			—	5	1200	A2H1015S23L1	3250520	970	—	—	—	6830	2070	2070	15
	Plain Trolley 4 Wheel	26½			6	5	1200	A2H1015S23P	3250400	1100	9867	1233	—	—	—	—	15
	Plain Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23P1	3250540	1150	3441	3441	4268	—	—	—	15
	Geared Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23G1	3250560	1200	3449	3449	4302	—	—	—	15
	Mtz Trolley 4 Wheel	26½			6	5	1200	A2H1015S23M	3250420	1155	9867	1283	—	—	—	—	15
	Mtz Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23M1	3250580	1230	3453	3453	4324	—	—	—	15
7½	Lug Mounted 3 Pin	28½	25	¾ XIP	—	5	1800	A3H1512S25L	3373850	1700	—	—	—	11444	2628	2628	12
	Plain Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25P	3373870	1925	5795	5795	5335	—	—	—	12
	Geared Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25G	3374030	1975	5813	5813	5349	—	—	—	12
	Mtz Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25M	3373890	2000	5822	5822	5356	—	—	—	12
	Lug Mounted 3 Pin	28½			—	7½	1800	A3H1515S25L	3373910	1725	—	—	—	11450	2637	2637	15
	Plain Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25P	3373930	1950	5798	5798	5354	—	—	—	15
	Geared Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25G	3374050	2000	5816	5816	5368	—	—	—	15
	Mtz Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25M	3373950	2025	5825	5825	5375	—	—	—	15
10	Lug Mounted 3 Pin	28½	25	¾ XIP	—	7½	1800	A3H2012S25L	3373970	1725	—	—	—	15109	3308	3308	12
	Plain Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25P	3373990	1950	7628	7628	6694	—	—	—	12
	Geared Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25G	3374070	2000	7646	7646	6708	—	—	—	12
	Mtz Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25M	3374010	2025	7655	7655	6715	—	—	—	12

^a Note: Wheel and pin loads do not include impact loads.

Standard trolley travel speed is 65 FPM. Trolleys are adjustable for standard "I" beams, 4 inch to 8 inch flange widths. **Beam size must be specified.** Trolleys are also available for 3.25 or 3.33 inch patented track beams. Trolleys for "WF" beams are available on application.

All references to beam flange widths are for clearance purposes only and do not imply that lower flange of beam will support hoist with load.

For more detailed envelope drawings request Bulletin PD-2010



Specifications

Capacity (tons)	Suspension	Head Room (in.)	Std. Lift (ft.)	Wire Rope (in.)	Wheel Dia. (in.)	Hoist Motor		Model No.	Product No.	Net Wt. (lbs.)	Two Speed Hoists									
						HP	RPM				Wheel Loads ^a			Max Pin Loads ^a			Lift Speed FPM			
											Pair 'A' (lbs.)	Pair 'B' (lbs.)	Pair 'C' (lbs.)	at 'D' (lbs.)	at 'E' (lbs.)	at 'F' (lbs.)				
2	Lug Mounted 2 Pin	19¾	23	¼ IPS	—	2	1200	A2H0415T23L	3250270	840	—	—	—	4808	32	—	15/8			
	Plain Trolley 4 Wheel	22½			5	2	1200	A2H0415T23P	3250290	940	4042	898	—	—	—	—	15/8			
	Mtz Trolley 4 Wheel	22½			5	2	1200	A2H0415T23M	3250310	1010	4047	963	—	—	—	—	15/8			
3	Lug Mounted 2 Pin	23½	23	5/16 IPS	—	3	1200	A2H0615T23L	3250330	980	—	—	—	7253	N/A	—	15/8			
	Lug Mounted 3 Pin	23 ¹³ / ₁₆			—	3	1200	A2H0615T23L1	3250450	1000	—	—	—	4220	1390	1390	15/8			
	Plain Trolley 4 Wheel	26½			6	3	1200	A2H0615T23P	3250350	1120	6102	1018	—	—	—	—	15/8			
	Plain Trolley 6 Wheel	26¾			5	3	1200	A2H0615T23P1	3250470	1170	2135	2135	2900	—	—	—	15/8			
	Geared Trolley 6 Wheel	26¾			5	3	1200	A2H0615T23G1	3250490	1220	2142	2142	2936	—	—	—	15/8			
	Mtz Trolley 4 Wheel	26½			6	3	1200	A2H0615T23M	3250370	1175	6108	1067	—	—	—	—	15/8			
	Mtz Trolley 6 Wheel	26¾			5	3	1200	A2H0615T23M1	3250510	1250	2141	2141	2956	—	—	—	15/8			
	5	Lug Mounted 2 Pin			23½	23	¾ XIP	—	5	1200	A2H1015T23L	3250390	1060	—	—	—	12173	N/A	—	15/8
Lug Mounted 3 Pin		23 ¹³ / ₁₆	—	5	1200			A2H1015T23L1	3250530	1070	—	—	—	6860	2105	2105	15/8			
Plain Trolley 4 Wheel		26½	6	5	1200			A2H1015T23P	3250410	1200	10097	1103	—	—	—	—	15/8			
Plain Trolley 6 Wheel		26¾	5	5	1200			A2H1015T23P1	3250550	1250	3456	3456	4338	—	—	—	15/8			
Geared Trolley 6 Wheel		26¾	5	5	1200			A2H1015T23G1	3250570	1300	3463	3463	4374	—	—	—	15/8			
Mtz Trolley 4 Wheel		26½	6	5	1200			A2H1015T23M	3250430	1255	10103	1152	—	—	—	—	15/8			
Mtz Trolley 6 Wheel		26¾	5	5	1200			A2H1015T23M1	3250600	1330	3468	3468	4394	—	—	—	15/8			
7½		Lug Mounted 3 Pin	28½	25	¾ XIP			—	5	1800	A3H1512T25L	3373860	1850	—	—	—	11478	2686	2686	12/6
	Plain Trolley 6 Wheel	31¾	6			5	1800	A3H1512T25P	3373880	2075	5813	5813	5449	—	—	—	12/6			
	Geared Trolley 6 Wheel	31¾	6			5	1800	A3H1512T25G	3374040	2125	5830	5830	5465	—	—	—	12/6			
	Mtz Trolley 6 Wheel	31¾	6			5	1800	A3H1512T25M	3373900	2150	5839	5839	5472	—	—	—	12/6			
	Lug Mounted 3 Pin	28½	—			7½	1800	A3H1515T25L	3373920	1875	—	—	—	11484	2695	2695	15/8			
	Plain Trolley 6 Wheel	31¾	6			7½	1800	A3H1515T25P	3373940	2100	5816	5816	5468	—	—	—	15/8			
	Geared Trolley 6 Wheel	31¾	6			7½	1800	A3H1515T25G	3374060	2150	5834	5834	5482	—	—	—	15/8			
	Mtz Trolley 6 Wheel	31¾	6			7½	1800	A3H1515T25M	3373960	2175	5842	5842	5491	—	—	—	15/8			
	10	Lug Mounted 3 Pin	28½			25	¾ XIP	—	7½	1800	A3H2012T25L	3373980	1875	—	—	—	15144	3365	3365	12/6
		Plain Trolley 6 Wheel	31¾					6	7½	1800	A3H2012T25P	3374000	2100	7646	7646	6808	—	—	—	12/6
Geared Trolley 6 Wheel		31¾	6	7½	1800			A3H2012T25G	3374080	2150	7663	7663	6824	—	—	—	12/6			
Mtz Trolley 6 Wheel		31¾	6	7½	1800			A3H2012T25M	3374020	2175	7672	7672	6831	—	—	—	12/6			

^a Note: Wheel and pin loads do not include impact loads.

Standard trolley travel speed is 65 FPM. Trolleys are adjustable for standard 'I' beams, 4 inch to 8 inch flange widths. **Beam size must be specified.** Trolleys are also available for 3.25 or 3.33 inch patented track beams. Trolleys for 'WF' beams are available on application.

All references to beam flange widths are for clearance purposes only and do not imply that lower flange of beam will support hoist with load.

For more detailed envelope drawings request Bulletin PD-2010

Chain Hoists

Accolift Lever Hoists



Available in 4 POPULAR SIZES, lightweight Accolift lever hoists combine EASY OPERATION with rugged dependability, portability, and economy.

Features

- Short handle/short stroke for quick action in narrow spaces
- Compound gearing for maximum power with less handle effort/more response
- Unique free-wheeling mechanism
- Lock-releasing mechanism to free handle from shock load lockup
- Tough load-bearing side plate independent of brake support
- Rigid frame
- Hardened alloy steel load chain
- One year limited warranty

Specifications

Capacity (lbs.)	Model	Product Number	Lift (ft.)	Load Chain Parts	Pull to Lift Full Load (lbs.)	Net Wt. (lbs.)
1500	VL-1500	1120010	5	1	35.3	15.2
3000	VL-3000	1120020	5	1	39.7	21.4
6000	VL-6000	1120030	5	1	72.7	35.9
12000	VL-12000	1120040	5	2	77.2	58.9

Pullers available with longer chain lengths.
Latch type swivel hooks are standard.

Chain Hoists

Accolift Hand Chain Hoists — Hook Suspension



Available in 5 SIZES, new Accolift hand chain hoists make lifting quick and easy. Built tough, these lightweight hand hoists work almost anywhere—even on low headroom jobs!

Features

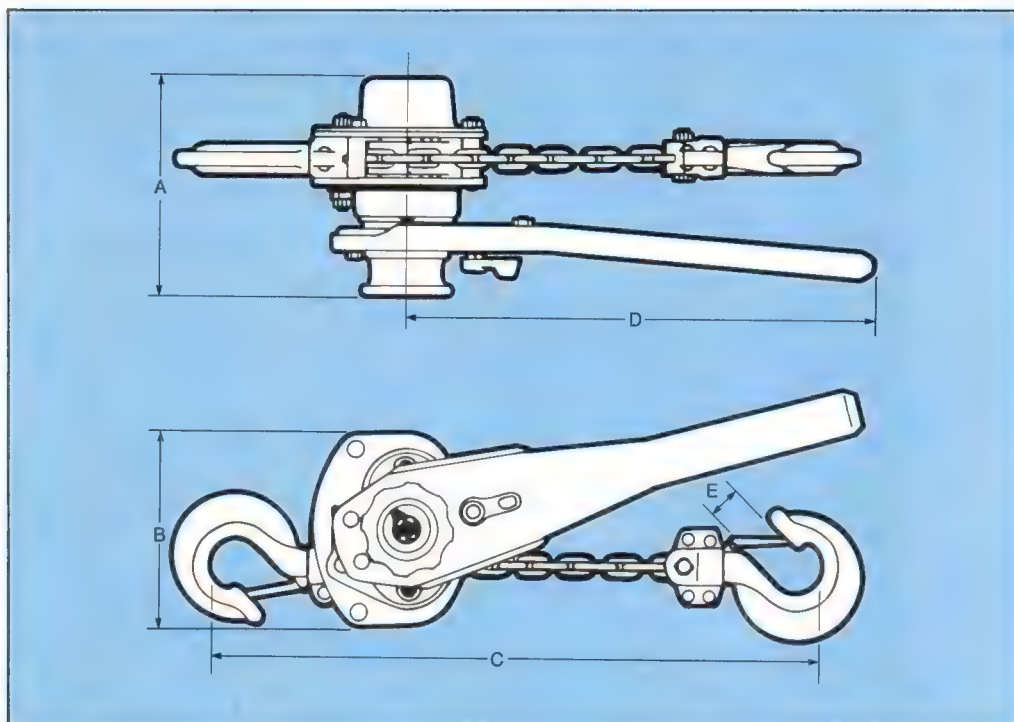
- Low chain pull over ball bearing equipped load sheave

- Mechanical load brake enclosed in separate cover for positive control
- Dead-end anchor protects against chain over-run
- Spur gearing
- Chain guides minimize jamming
- Thrust bearing on load hook for 360° rotation
- Hardened alloy steel load chain
- One year limited warranty

Specifications

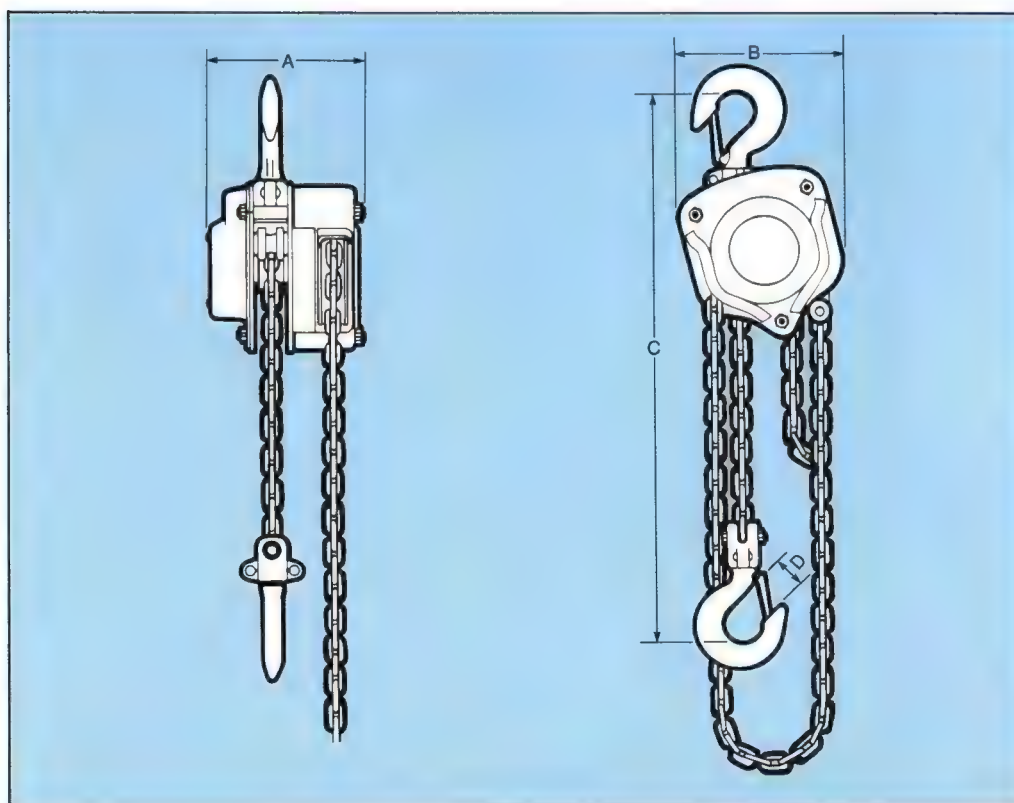
Capacity (lbs.)	Model	Product Number	Lift (ft.)	Load Chain Parts	Pull to Lift Full Load (lbs.)	Net Wt. (lbs.)
1100	VH-1100	1320010	10	1	55.1	19.4
		1320060	15			
		1320110	20			
2200	VH-2200	1320020	10	1	72.8	25.4
		1320070	15			
		1320120	20			
4400	VH-4400	1320030	10	1	75.0	47.6
		1320080	15			
		1320130	20			
6600	VH-6600	1320040	10	2	77.2	48.5
		1320090	15			
		1320140	20			
11000	VH-11000	1320050	10	2	86.0	90.4
		1320100	15			
		1320150	20			

Hoist available with longer chain lengths.
Latch type swivel hooks are standard.



Dimensions (Inches)

Capacity (lbs.)	A	B	C	D	E
1500	5.8	5.0	11.6	9.8	1.1
3000	6.4	5.8	12.8	14.2	1.3
6000	7.6	7.1	15.5	14.2	1.7
12000	7.6	9.2	23.2	14.2	1.8



Dimensions (Inches)

Capacity (lbs.)	A	B	C	D
1100	5.0	5.7	12.0	1.06
2200	5.8	6.2	13.6	1.18
4400	7.0	8.0	16.7	1.46
6600	5.8	8.1	19.9	1.69
11000	7.0	10.4	25.0	1.85

Plain Trolley

Accolift Plain Trolley



Built tough, priced right, and designed for use with hook-suspended hand hoists, these plain trolleys are available in 5 sizes. They set up easily on the beam with no tools, providing excellent service in light intermittent industrial, construction or maintenance operations.

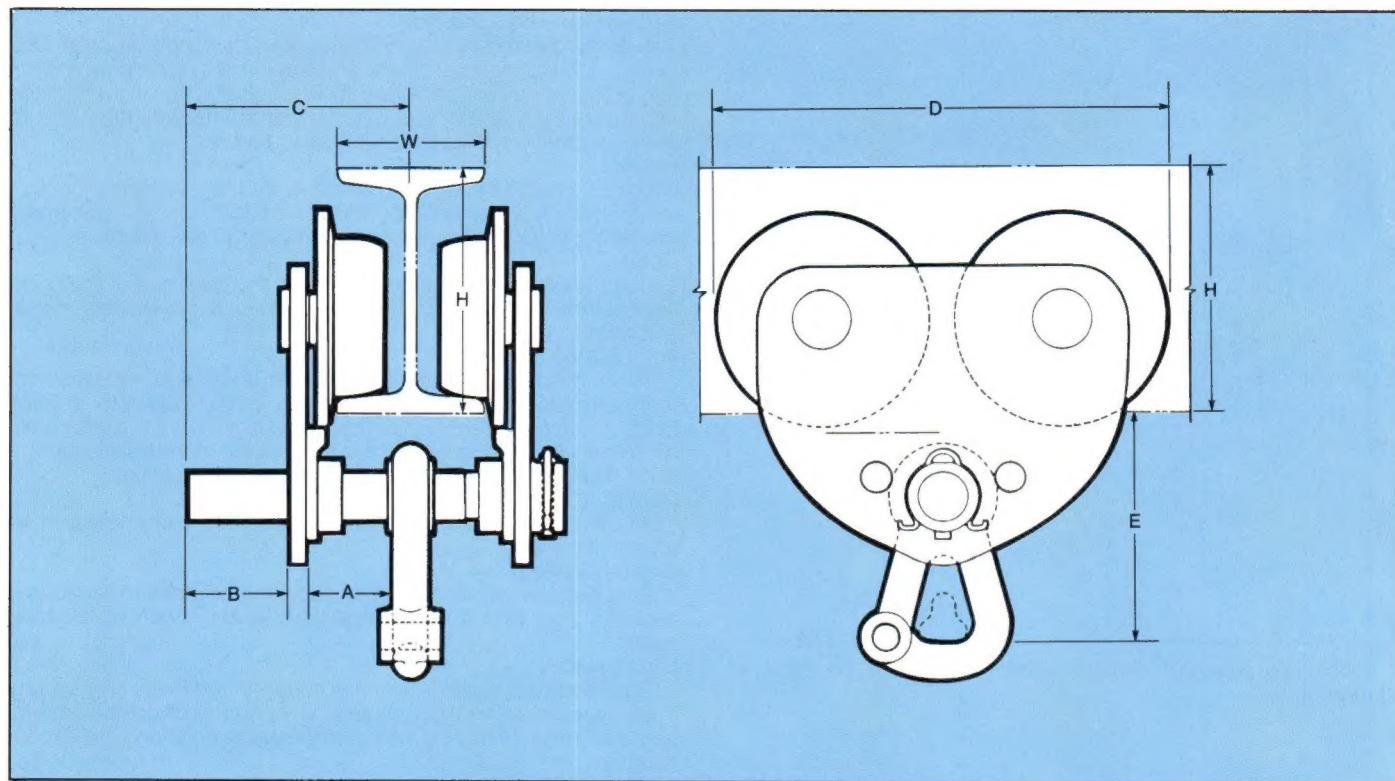
Features

- Available in both hook mounted (to 5 tons) and built-in (thru 2 tons) arrangements
- Threaded suspension allows free adjustment within specified beam range
- Fits "I" and "WF" Beams and patented track
- Lifetime bearing lubrication
- Pivot mounted suspension shaft assures equal wheel loading
- Limited one year warranty

Specifications

Capacity (lbs.)	Model	Product Number	Minimum Radius (in.)	Net Wt. (lbs.)
1100	VT-1100*	1620010	36	13.23
2200	VT-2200*	1620020	52	22.05
4400	VT-4400*	1620030	60	40.79
6600	VT-6600	1620040	80	57.32
11000	VT-11000	1620050	103	97.00

* Accolift hand chain hoist can be pin mounted through a hole in mounting clevis of these models.

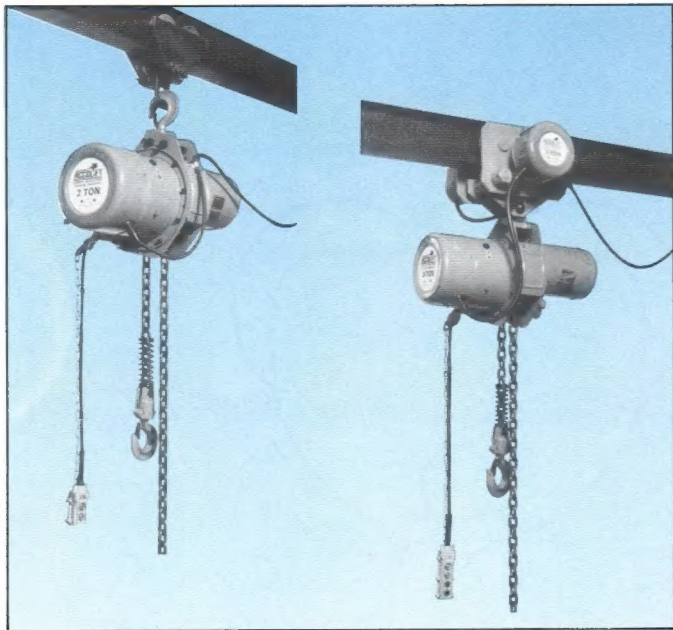


Dimensions (Inches)

Capacity (lbs.)	Beam Width Min.-Max. W	Flange Height Min. H	Adjusting Equation				
			A	B	C	D	E
1100	2-5	4	$\frac{(W + .51)}{2}$	$4.92 - W$	$\frac{(B + W + .96)}{2}$	6.85	4.72
2200	2-5	5	$\frac{(W + .51)}{2}$	$4.92 - W$	$\frac{(B + W + .96)}{2}$	9.09	4.72
4400	3-6	6	$\frac{(W + .55)}{2}$	$6.10 - W$	$\frac{(B + W + 1.14)}{2}$	10.67	5.90
6600	3½-6¾	7	$\frac{(W + .67)}{2}$	$6.69 - W$	$\frac{(B + W + 1.38)}{2}$	12.24	7.09
11000	4-6¾	8	$\frac{(W + .47)}{2}$	$6.89 - W$	$\frac{(B + W + 1.46)}{2}$	13.82	7.87

Electric Chain Hoists

Accolift Electric Chain Hoists



While not pictured, chain collecting bags are provided as standard.

Economical and Portable

A newly developed electric chain hoist designed for all-around materials handling operations in intermittent industrial, construction or maintenance operations. Built tough and priced right, these rugged hoists are supplied in 6 sizes and 9 models for standard hook suspension or motorized trolley mounting.

Motor

Quick, smooth operation is available from the efficient induction motor. It is reconnectable for 230 volt or 460 volt, 60 cycle (three phase) applications. Single phase units are 115 volt, 60 cycle.

Control

Control components are mounted on the gear end of the hoist, and enclosed by a rugged steel cover designed to withstand impact and rough handling.

Push Button Station

The convenient pendant control station is supplied with two point or 4 point (electric trolley) push buttons for easy operator control. Control voltage is 48 volts. On three phase models a reverse phase circuit is included, that will not allow operation of the hoisting motor if unit has been connected in a reverse phase condition.

Gears

All gears are machine cut and heat-treated and operate in an enclosed oil bath.

Braking System

Supplied with an electro-mechanical motor brake to retard and hold the load, and a mechanical load brake to control lowering speed.

Limit Switch

Equipped with electro-mechanical upper and lower limit switch. The limit switch interrupts operation when the load hook reaches its upper or lower limits of travel, protecting the hoist and loads from damage.

Electric Trolleys

Two heavy capacity models are available with electric trolleys. The trolleys are adjustable to fit "I" and "WF" beams and some monorail track. Simple shifting of spacing washers permits use on different beams. Supplied with electro-mechanical motor brake.

Trolley Wheels

The drop-forged, alloy steel wheels are equipped with deep wide flanges and lifetime lubricated ball bearings for smooth easy operation.

Hooks

Drop forged heat-treated alloy steel swivel hooks with spring latches are standard.

Warranty

A limited one year warranty covers all models.

Specifications

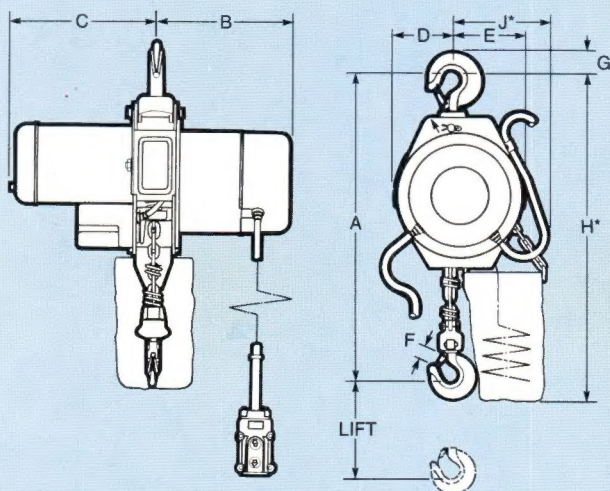
Capacity (tons)	Product Number	Standard Lift (ft.)	Lifting Speed (FPM)	Hoist Motor		Load Chain Diameter (in.)	Parts of Load Chain	Trolley Speed (FPM)	Trolley Motor		Beam Size	Flange (in.) Width Range		Minimum Radius Curve (ft.)	Net Weight (lbs.)
				Phase	HP				Phase	HP		Minimum	Maximum		
1/4	2110010 ¹	10	32	3	1 1/3	9/32	1	—	—	—	—	—	—	—	104
	2110020 ¹	10	22	1	3/4	9/32	1	—	—	—	—	—	—	—	110
1/2	2110030 ¹	10	32	3	1 1/3	9/32	1	—	—	—	—	—	—	—	104
	2110040 ¹	10	22	1	3/4	9/32	1	—	—	—	—	—	—	—	110
1	2110050 ¹	10	23	3	2	9/32	1	—	—	—	—	—	—	—	108
	2110060 ¹	10	11	1	3/4	9/32	1	—	—	—	—	—	—	—	110
2	2110070 ¹	10	26	3	4	7/16	1	—	—	—	—	—	—	—	207
3	2110100 ²	10	18	3	4	7/16	1	—	—	—	—	—	—	—	211
	2110080 ³	10	18	3	4	7/16	1	40	3	1/2	S8-S18	4	6	4 1/2	366
5	2110110 ²	10	9	3	4	7/16	2	—	—	—	—	—	—	—	266
	2110090 ³	10	9	3	4	7/16	2	40	3	3/4	S12-S24	5	7	4 1/2	462

Notes: ¹ Swivel Hook Suspension

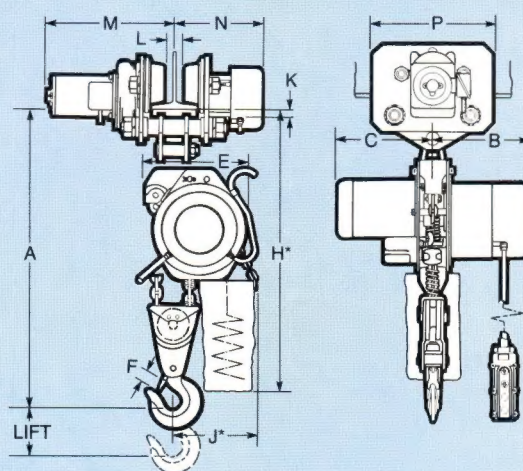
² Rigid Hook Suspension

³ Motorized Trolley Suspension

Hook Electric Chain Hoist



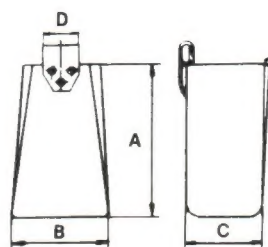
Electric Chain Hoist with Electric Trolley



Dimensions (Inches)

Capacity (tons)	Suspension	A (Min.)	B	C	D	E	F	G	H*	J*	K (Min.)	L (Min.)	M (Max.)	N (Max.)	P
1/4	Swivel Hook	20 1/2	10 1/4	10 5/8	4 5/16	5 11/16	3/4	1 1/8	26 3/8	7 5/16	—	—	—	—	—
1/2	Swivel Hook	20 1/2	10 1/4	10 5/8	4 5/16	5 11/16	3/4	1 1/8	26 3/8	7 5/16	—	—	—	—	—
1	Swivel Hook	21 3/4	10 1/4	10 5/8	4 5/16	5 11/16	1 5/16	1 1/4	26 3/4	7 5/16	—	—	—	—	—
2	Swivel Hook	28 3/8	12 7/16	12 5/8	4 5/16	7 1/2	1 3/16	1 1/2	33 7/8	8 1/2	—	—	—	—	—
3	Rigid Hook	30 5/16	12 7/16	12 5/8	4 5/16	7 1/2	1 3/8	1 3/4	34 5/8	8 1/2	—	—	—	—	—
	Mtz Trolley	31 7/8	12 7/16	12 5/8	4 5/16	7 1/2	1 3/8	—	36 1/4	8 1/2	7/8	3	16 3/8	11 1/4	13 3/8
5	Rigid Hook	36 1/4	12 7/16	12 5/8	3 9/16	9 9/16	1 11/16	3 1/8	36 13/16	10 5/8	—	—	—	—	—
	Mtz Trolley	37 7/16	12 7/16	12 5/8	3 9/16	9 9/16	1 11/16	—	39 7/16	10 5/8	7/8	3	16 3/8	11 1/4	13 3/8

TABLE 1 — CHAIN BAG APPLICATIONS TABLE 2 — CHAIN BAG DIMENSIONS



Capacity (tons)	Lift (ft.)							
	12	18	24	30	36	42	48	54
1/2	1		2		5			
1								
2	3		4	S1				S2
3								
5	4	S1	S2	S3		S4		

Bucket No.	Dimensions (Inches)				
	A	B	C	D	
1	9¼	6¾	5½	2½	
2	14⅜	7⅞			
3	13¾	9½	7¼	3⅜	
4	16½	10¼		2½	
5					
S1	19¾	7⅞	9⅞	3⅜	

* For standard 10' lift models only. For lifts over 10 feet, chain collecting bag size changes as shown in Table 1. Bag dimensions are shown in Table 2. For lifts shown in shaded area of Table 1, consult factory.

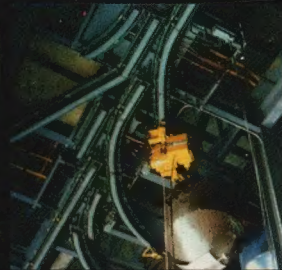
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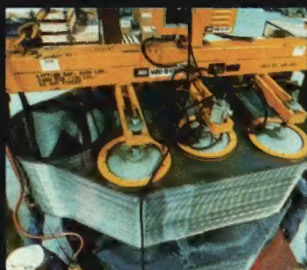
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